



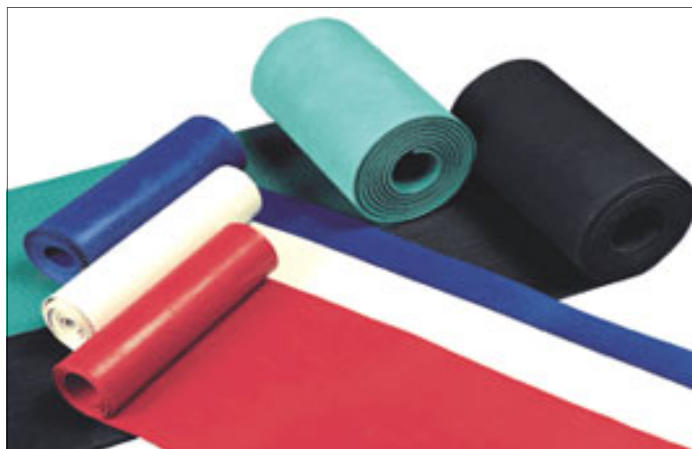
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Issue 11/01MRSHTRADE

# RUBBER AND PLASTIC SHEETINGS & JOINTINGS

Issue 11-01 2011 Brochure List

*Giving you the competitive edge*



***Product Range covered in this issue:-***

- *SBR & Natural Rubber Commercial Grades*
  - *Natural Rubber & SBR High Abrasion & Shotblast Grades*
  - *Commercial & High Quality Neoprene Grades*
  - *Commercial & High Quality Nitrile Grades*
  - *Thin plain Diaphragm grades*
  - *Fabric Reinforced Diaphragm Grades*
  - *EPDM, Butyl, Hypalon, Silicone, Viton & Fluoropolymer Grades*
  - *Food Quality Grades*
  - *Cork / Rubber, CNAF [compressed non asbestos fiber]*
  - *Plastics - Polyurethane and PVC Grades*
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### **General Information**

Unless otherwise stated all products details shown are standard stock materials kept in various width length and thickness formats. Please see below a brief information overview:-

#### **Compound Abbreviations:-**

SBR	-	Styrene Butadiene
NR	-	Natural Rubber
CR	-	Chloroprene [ Neoprene ]
NBR	-	Nitrile Butadiene [ Nitrile ]
EPDM	-	Ethylene Propylene
IIR	-	Isobutylene [ Butyl ]
CSM	-	Hypalon
SI	-	Silicone
VI	-	Viton®
FKM	-	Fluoroelastomer
PVC	-	Polyvinylchloride
CNAF	-	Compressed Non Asbestos Fibre
GR	-	Graphite
PTFE	-	Polytetrafluoroethylene
PE	-	Polyethylene
PU	-	Polyurethane
EVA	-	Ethylene vinyl

#### **Material Finishes:-**

The majority of our materials are supplied with a smooth finish on both surfaces as standard.

A number of types are stocked or can be made to special order with a cloth impression patterned surface on one or both sides.

#### **Roll Sizes:**

Our general stock roll size range include 5m, 10m & 20m lengths in widths of 1200 & 1400mm. Other sizes can be made to special order up to 2000mm wide.

#### **General Tolerances:-**

Please see below our general dimensional tolerance guide:-

<u>Thickness</u>		<u>+/-</u>
Below 1mm	-	0.15mm
1.0mm	-	0.25mm
1.5mm	-	0.30mm
2.0mm	-	0.35mm
3.0mm	-	0.40mm
5.0mm	-	0.55mm
6.0mm	-	0.75mm
10.0mm	-	10%
and over		
Width	-	3%
Length	-	5%
Hardness	-	5°

Full Data Sheets available on each grade listed

**QUANTITY RELATED DISCOUNTS FROM PRICES STATED ARE APPLICABLE - PLEASE ASK FOR FURTHER DETAILS**

## Information Page - Solid Rubber & Plastic Sheeting's

A general overview on material usage applications:-

### **SBR [Styrene Butadiene]**

SBR is a synthetic elastomer suitable for low to medium duty applications involving air, water and diluted mixtures for, economic, general purpose applications.

### **NR [Natural Rubber]**

NR natural rubber compounds have high abrasion resistance with excellent resilience, tensile strength, elongation, tear strength and mechanical properties. It is highly flexible and has good low permanent set qualities. It is not recommended on higher temperature applications.

### **CR [Chloroprene] - Neoprene**

CR Neoprene is a multi purpose material suitable for applications involving weathering, sea water, mineral oils, greases, dilute acids and alkalis but is not recommended for fuel immersion. It also exhibits good flame retardant properties dependent on polymer content.

### **NBR [Nitrile Butadiene] - Nitrile**

NBR Nitrile has excellent resistance to petroleum oils and aromatic hydrocarbons, mineral oils and many acids with good elongation, resilience, tensile and compression set properties.

### **EPDM [Ethylene Propylene]**

EPDM materials have excellent resistance to water [fresh & Sea], oxidation, ultra violet, ozone and weathering coupled with good temperature resistance. It also has good resistance to acids, water based chemicals and vegetable based hydrocarbons but is not recommended for use with mineral oils and di-ester based lubricants.

### **IIR [Isobutylene] - Butyl**

Butyl compounds have very high impermeability to gases, ozone, ultra violet light and weathering with high chemical and acid resistance and is particularly good when applications involving high and low temperatures prevail.

### **CSM [Hypalon®]**

Hypalon has outstanding resistance to most chemicals and oils at high and low temperatures with excellent weathering and abrasion resistance. It also has low moisture absorption and good dielectric properties.

### **SI [Silicone]**

The outstanding properties of silicone rubbers is their outstanding high / low temperature resistance without failure. Typical applications include oven door seals, glazing seals, gaskets and sealing washers. It has excellent flame - Retardant characteristics and can be used in contact with food and drink.

### **FKM [Fluoroelastomers & Viton®]**

Fluoroelastomer [ including Viton® ] are materials designed for very high operating temperature applications in excess of 200° c. They have outstanding resistance to chemical attack by oxidation and corrosive fluids while retaining their mechanical properties.

### **PVC [Polyvinylchloride]**

Flexible PVC sheet materials have excellent oil, grease and fuel resistance and are commonly used for protection screens, weather and draught curtains and kickboard panels as it is very durable and resilient.

### **CNAF [ Compressed non asbestos fibre] and Graphite**

These materials offer viable alternatives to the now discontinued asbestos based products. A range is available to suit most applications previously covered by asbestos based materials.

### **PTFE [Polytetrafluoroethylene]**

PTFE exhibits unique physical characteristics and achieves almost universal chemical resistance and is insoluble in all solvents below 300°c with a high temperature service stability at 250°c and low temperature resistance at 200°c. It has extremely low coefficient of friction and excellent low stick values, is non flammable, weather resistant and can be used with food and drinks.

### **PU [ Polyurethane]**

The ultimate material for demanding applications for abrasion, resilience, wear resistance and tear strength with good resistance to ozone and oxygen. It also exhibits low coefficient of friction values.

The above data is evaluated on base polymer compounds so allowance should be made for blended compounds and in particular on economic commercial quality grades where full polymer content is not applied. Caution should be applied and we recommend that all materials falling into these categories be tested and are offered subject to clients determination of suitability.

**Coruba are prepared to submit samples for customer tests, material data sheets and, wherever possible, test data and further information on any of our standard materials.**

**Other grades available to special order - subject to minimum batch quantities**

## SBR Economy Grade Commercial Rubbers

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
101	SBR	Black	40	1.3	6.0	400	150	-20/+70	Soft Commercial
102	SBR	Black	50	1.5	4.0	350	300	-20/+70	Soft Commercial
110	SBR	Black	70	1.6	2.5	130	450	-20/+70	Hard Commercial
120	SBR 1 ply	Black	65	1.6	2.5	130	450	-20/+70	1 ply Polyester fabric insertion

## SBR Premium Grade Commercial Rubbers

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
123	SBR	Black	70	1.5	3.0	150	350	-20/+70	Hard Commercial
124	SBR	Black	80	1.45	3.0	140	350	-20/+70	Hard Commercial
130	SBR	Red	60	1.4	3.0	300	400	-20/+70	Red Commercial
126	SBR 1 ply	Black	70	1.5	3.0	150	350	-20/+70	Commercial 1 ply Polyester Insertion

### Additional Product Information

All of the above materials listed are general purpose, commercial quality materials for low to medium duty applications and usage. Due to the nature and economy of manufacture minor surface deformations and blemishes may occur and materials may be more odorous than normal.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability for use and application of adhesive products.

Standard stock material finish is smooth but some cloth impression [one and both sides] are stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

#### Roll Sizes:-

	<u>Length</u>	<u>Width</u>
0.5mm to 2.0mm-	20m	1.4m
2.5mm to 6.0mm-	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m

Note: A small proportion of rolls may be supplied in two parts.

Special length, width rolls or cut panel sizes can be offered to special order

Special length, width rolls or cut panel sizes can be offered to special order.

#### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00

## Natural Rubber / SBR High Abrasion Grades - Blacks

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
1310	NR	Black	50	1.2	8.0	400	140	-20/+70	Black Shot blast
151	NR/SBR	Black	60	1.15	15.0	450	120	-20/+70	Black High Abrasion
151D	NR/SBR EP80	Black	60	1.15	15.0	450	120	-20/+70	Snow Plough Scraper –EP80 Fabric Backed
153	SBR	Black	55	1.35	7.0	350%	200	-20/+70	Economy Skirting
230	NR	Black	40	1.1	19.0	600	110	-20/+70	<b>BS1154/Z40</b>
231	NR	Black	50	1.15	17.0	500	115	-20/+70	<b>BS1154/Z50</b>
232	NR	Black	60	1.2	17.0	400	120	-20/+70	<b>BS1154/Z60</b>

## Natural Rubber / SBR High Abrasion Grades - Colours

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
134	NR	Tan	40	1.02	16.0	600	120	-20/+70	Tan Para
134R	NR	Red	40	1.1	16.0	550	120	-20/+70	Red Para
150	NR/SBR	Tan	45	1.2	10.0	400	150	-20/+70	Tan Shot blast Economy Grade
150R	NR/SBR	Red	45	1.2	10.0	400	150	-20/+70	Red Shotblast Economy Grade
155	NR	Pink	40	0.98	24.0	810	80	-20/+70	Super High Soft Red Abrasion
156	NR	Pink	60	1.10	20.0	500	110	-20/+70	Super High Hard Red Abrasion

### Additional Product Information

All of the above materials listed are high quality NR [natural rubber] or NR blends made to exacting standards and formulations for high abrasion, wear and tear resistance.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability for use and application of adhesive products.

Standard stock material finish is smooth but some cloth impression [one and both sides] are stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### Roll Sizes:-

	<u>Length</u>	<u>Width</u>
0.5mm to 2.0mm-	20m	1.4m
2.5mm to 6.0mm-	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m

Note: A small proportion of rolls may be supplied in two parts

Special length, width rolls or cut panel sizes can be offered to special order.

### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00

## Commercial Quality SBR/CR Blend Neoprene Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
132	SBR/CR	Black	50	1.25	6.0	300	275	-20/+90	Soft Commercial
111	SBR/CR	Black	60	1.5	4.0	200	350	-20/+80	Economy Commercial
129	SBR/CR	Black	60	1.4	4.5	225	325	-20/+80	Intermediate Commercial
133	SBR/CR	Black	60	1.3	5.0	250	300	-20/+90	Medium /High Commercial
139	SBR/ CR 1 ply insertion	Black	60	1.3	5.0	250	300	-20/+90	Medium /High Commercial Polyester Insertion
161	SBR/CR	Black	70	1.45	4.0	250	280	-20/+90	Medium / Hard Commercial
165	CR/SBR	Black	80	1.35	8.0	250	250	-20/+100	Hard Grade [premium]

## Specification Neoprene [CR] Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
179	CR	Black	40	1.25	9.0	450	160	-30/+120	<b>BS2752/C40</b>
180	CR	Black	50	1.35	12.0	400	300	-30/+120	<b>BS2752/C50</b>
181	CR	Black	60	1.4	13.0	350	160	-30/+120	<b>BS2752/C60</b>
182	CR	Black	70	1.4	13.0	300	160	-30/+120	<b>BS2752/C70</b>
183	CR	Black	80	1.5	13.0	150	180	-30/+120	<b>BS2752/C80</b>
188	CR	Black	60	1.5	13.0	220	200	-30/+110	<b>ISO340 Flame Retardant</b>

### Additional Product Information

All of the commercial materials listed are general purpose, commercial quality materials for low to medium duty applications and usage. The predominant polymer is SBR which is blended with CR [Polychloroprene] giving varying degrees of resistance. Careful selection of material suitable for application is highly recommended.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability for use and application of adhesive products.

Standard stock material finish is smooth but some cloth impression [one and both sides] are stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### Roll Sizes:-

Commercial Grades	Length	Width	Specification Grades	Length	Width
0.5mm to 2.0mm -	20m	1.4m	0.5mm to 2.0mm -	10m	1.4m
2.5mm to 6.0mm -	10m	1.4m	2.5mm to 6.0mm -	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m	8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m	Over 25mm -	2m	1.0m

Note: A small proportion of rolls may be supplied in two parts

Special length, width rolls or cut panel sizes can be offered to special order.

### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00

**Other grades available to special order - subject to minimum batch quantities**

## Commercial Quality SBR/NBR Nitrile Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification Description
115	SBR/NBR	Black	50	1.25	6.0	300	275	-20/+100	Soft Commercial
112	SBR/NBR	Black	70	1.5	4.0	200	375	-20/+90	Economy Grade
127	SBR/NBR	Black	60	1.45	4.0	200	370	-20/+100	Intermediate Commercial
135	SBR/NBR	Black	70	1.4	5.0	250	350	-20/+100	Medium /High Commercial
135IS	SBR/NBR 1 ply	Black	70	1.4	5.0	250	300	-20/+100	Medium Commercial Polyester Insertion
169	NBR/SBR	Black	80	1.5	10.0	150	220	-30/+110	Hard Premium Grade
175	NBR/PVC	Black	65	1.25	6.0	250	250	-20/+110	Fuel Resistant

## Specification Nitrile [NBR] Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
189	NBR	Black	40	1.25	9.0	450	160	-30/+110	BS2751/BA40
190	NBR	Black	50	1.35	12.0	400	300	-30/+110	BS2751/BA50
191	NBR	Black	60	1.4	13.0	350	160	-30/+110	BS2751/BA60
192	NBR	Black	70	1.4	13.0	300	160	-30/+110	BS2751/BA70
193	NBR	Black	80	1.5	13.0	150	180	-30/+110	BS2751/BA80

### Additional Product Information

All of the commercial materials listed are general purpose, commercial quality materials for low to medium duty applications and usage. The predominant polymer is SBR which is blended with NBR [nitrile] or others giving varying degrees of resistance. Careful selection of material suitable for application is highly recommended.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### Roll Sizes:-

Commercial Grades	Length	Width	Specification Grades	Length	Width
0.5mm to 2.0mm -	20m	1.4m	0.5mm to 2.0mm -	10m	1.4m
2.5mm to 6.0mm -	10m	1.4m	2.5mm to 6.0mm -	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m	8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m	Over 25mm -	2m	1.0m

Special length, width rolls or cut and panel sizes can be offered to special order.

### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00



## Thin Non Reinforced Diaphragm Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
204	EPDM	Black	60	1.2	8	350	NA	-30/+120	High Grade EPDM
206	NBR	Black	70	1.3	8	400	NA	-20/+110	High Grade Nitrile
208	CR	Black	60	1.3	6	300	NA	-30/+120	High Grade Neoprene

## Fabric Reinforced Diaphragm Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
195CO	NBR 1 ply	Black	See individual data sheets for detailed information						Nitrile / Nylon
196CO	CR 1 ply	Black	See individual data sheets for detailed information						Neoprene / Nylon
195CT	NBR 1 ply	Black	70	1.2	8.0	300	200	-30/+110	High Grade 1 ply Nylon
196CT	CR 1 ply	Black	60	1.3	13.0	350	160	-30/+120	BS2752/C60 1 ply Nylon
197CO	NR 1 ply	Black	65	1.3	N/A	N/A	N/A	-20/+70	1 ply cotton Rubber coated

### Additional Product Information

The above materials stated are superior quality materials produced to exacting standards. The extremely high compound content makes them suitable for all recommended applications.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### Roll Sizes:-

	Length	Width
0.5mm to 2.0mm -	20m	1.2 / 1.4m / 1.5m
2.5mm to 6.0mm -	10m	1.2 / 1.4m / 1.5m
8.0mm to 25.0mm-	5m	1.2 / 1.4m / 1.5m
Over 25mm -	2m	1.0m

Special length, width rolls or cut and panel sizes can be offered to special order.

### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00

Other grades available to special order - subject to minimum batch quantities



## EPDM, Butyl [IIR] & Hypalon Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
113	SBR/EPDM	Black	60	1.5	4.0	275	250	-20/+90	Economy Grade GP Commercial
117	SBR/EPDM	Black	65	1.4	5.0	350	200	-20/+100	Medium Grade
145	EPDM	Black	60	1.3	5.0	350	190	-30/+120	High Grade
177	EPDM	Black	70	1.13	11.0	320	400	-40/+100	Potable Water WRAS Grade
178	EPDM/IIR	Black	60	1.25	5.0	300	190	-30/+150	High Temperature
147	IIR Butyl	Black	65	1.2	5.0	350	190	-40/+140	High Temperature
210	Hypalon	Black	65	1.4	10.0	350	300	-30/+180	Fuel Resistant High Temperature

### Additional Product Information

**CORU113** is a commercial grade material for low to medium duty resistance applications.

All other materials stated are superior quality materials produced to exacting standards. The high compound content makes them suitable for all recommend applications.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### Roll Sizes:-

	<u>Length</u>	<u>Width</u>
0.5mm to 2.0mm -	20m	1.4m
2.5mm to 6.0mm -	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m

**CORU177 Grade - 1500mm wide**

Special length, width rolls or cut and panel sizes can be offered to special order.

### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10..00

**Other grades available to special order - subject to minimum batch quantities**

## Silicone & Viton Grades

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
140	Silicone	Red	60	1.2	6.0	300	-	-60/+200	Food & Drink Grade
141	Silicone	White	60	1.2	6.0	300	-	-60/+200	Food & Drink Grade
14101	Silicone	White	45	1.2	7.5	400	-	-60/+200	Food & Drink Grade
14201	Silicone	Black	45	1.2	7.5	400	-	-60/+200	Food & Drink Grade
143	Silicone	Trans	50	1.2	6.0	320	-	-60/+200	Food & Drink Grade
144	Silicone	Blue	50	1.2	6.0	320	-	-60/+200	Food & Drink Grade
148	FPM	Black	75	1.4	4.0	200	350	-25/+250	Fluorocarbon [FPM]
149	Viton®	Black	75	1.95	5.0	200	400	-30/+300	Genuine Viton®

### Additional Product Information

The above materials stated are superior quality materials produced to exacting standards, tested and meeting the specifications stated. The extremely high compound contents makes them suitable for all recommend applications.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

#### Roll Sizes:-

	<u>Length</u>	<u>Width</u>
0.5mm to 6.0mm -	10m	1.2m
8.0mm to 25.0mm-	5m	1.2m
Over 25mm -	2m	1.0m

Special length, width rolls or cut and panel sizes can be offered to special order.

#### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a 5% surcharge per M2 to a minimum charge of £10.00

**Other grades available to special order - subject to minimum batch quantities**

## Various Food Quality Grades - Non Silicones

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High/Low Temperature °C	Specification
136	NR	White	60	1.5	6.0	300	275	-20/+70	FDA Approved
137	NBR	White	60	1.4	6.0	300	250	-20/+100	FDA Approved
163	EPDM	White	50	1.2	6.0	300	250	-20/+110	FDA Approved
166	NBR	Blue	60	1.4	6.0	350	250	-20/+100	FDA Approved

### Additional Product Information

The above materials stated are superior quality materials produced to exacting standards, tested and meeting the specifications stated and making them suitable for use with food and drink stuffs.

Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

#### Roll Sizes:-

	Length	Width
0.5mm to 2.0mm -	20m	1.4m
2.5mm to 6.0mm -	10m	1.4m
8.0mm to 25.0mm-	5m	1.4m
Over 25mm -	2m	1.0m

Special length, width rolls or cut and panel sizes can be offered to special order.

#### Part Rolls:-

A cutting charge would apply to part rolls. This is subject to a **50%** surcharge per M2 to a minimum charge of £10.00

**Please note** that due to excess care and time taken with food grades the above extra surcharge is applicable to cut rolls

### Some slight contamination may occur on cut pieces as we have no clean room facility.

FDA approved stated materials: The component parts used and maximum levels in compound mixtures are in accordance with FDA [Food and Drug Administration - Department of Health and Human Services] part 177 - Indirect food additives section 177.2600 - rubber articles for repeated usage. They also conform to BGA XXI recommendations for migration.

## High Specification Grade Natural [NR] Rubbers

Grade	Polymer Type	Colour	Hardness Shore 'A'	Density SG	Tensile Strength MPa	Elongation At Break %	Abrasion Resistance mm <sup>3</sup>	High-Low Temperature °C	Specification
221	NR	White	40	1.1	19.0	600	120	-20/+70	BS1154/Y40
222	NR	White	50	1.15	17.0	500	125	-20/+70	BS1154/Y50
223	NR	White	60	1.2	17.0	400	130	-20/+70	BS1154/Y60
230	NR	Black	40	1.1	19.0	600	110	-20/+70	BS1154/Z40
231	NR	Black	50	1.15	17.0	500	115	-20/+70	BS1154/Z50
232	NR	Black	60	1.2	17.0	400	120	-20/+70	BS1154/Z60
240	NR	Black	60	1.13	20	500	120	-20/+70	BS5400 Pt. 9 Bridge Bearing

### Additional Product Information

All of the above materials listed are top quality natural rubbers meeting exacting standards and formulated for high abrasion, wear and tear resistance and durability. Commonly requested by government bodies and authorities and military. Please see the industry standard recommended usage and application details stated on page three information page.

This information is given as a guide only and does not warrant a guarantee. We would suggest that all materials be tested to determine suitability.

Standard stock material finish is smooth but some cloth impression [one and both sides] is stocked in certain grades and thickness's. Please ask for details.

We can produce to special order any of the above grades with a cloth impression finish but this would be subject to a minimum batch run.

### **Roll Sizes:-**

	<u>Length</u>	<u>Width</u>
0.5mm to 2.0mm	-20m	1.4m
2.5mm to 6.0mm	-10m	1.4m
8.0mm to 25.0mm	-5m	1.4m
Over 25mm	-2m	1.0m

Special length, width rolls or cut and panel sizes can be offered to special order.

### **Part Rolls:-**

A cutting charge would apply to part rolls. This is subject to a 20% surcharge per M2 to a minimum charge of £10.00

**Other grades available to special order - subject to minimum batch quantities**

## Style 201 & 202 Polyurethane Sheetings



### STOCK ROLL SIZES:

#### Polyurethane Sheetting

- 3000mm x 1000mm
- **Colours:-**
- CORU201 Yellow 80° sh [hard]
- 3mm, 5mm, 6mm and 10mm thick
- CORU202 Blue 60° sh [soft]
- 3mm, 5mm and 6mm thick

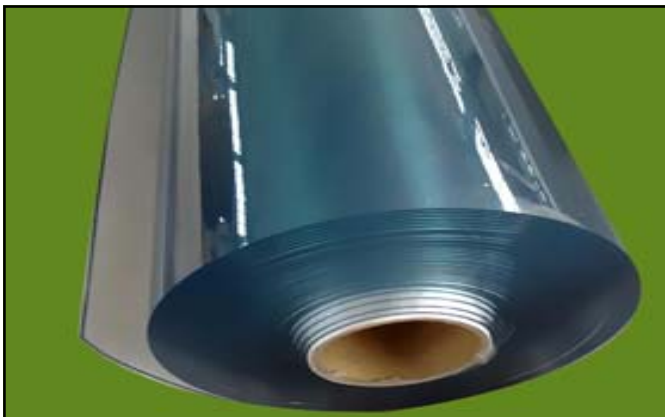
### FEATURES:

- High Abrasion Resistance
- Hard - wearing & durable
- Excellent Tensile Strength
- High Elongation Properties
- Good Oil & Solvent resistance
- Available in standard Yellow & Blue

### Options:

Other Colours	To Special order
Other sizes	To Special Order
Cut lengths	Yes
Cut Shapes	Yes
Adhesive Backing	No

## Style 250 Flexible PVC Sheetings and Curtain Strips



### STOCK ROLL SIZES:

#### Clear Flexible PVC Sheetting

- Stock thickness's:-  
1.0mm, 1.5mm, 2.0mm, 3.0mm  
4.0mm, 5.0mm and 6.0mm

#### Clear Flexible PVC Curtain Strips

- Stock thickness's:-  
2.0mm, 3.0mm and 4.0mm  
In 200mm & 300mm widths

Other sizes to special order

### FEATURES:

- High Clarity Virgin PVC compound
- Hard - wearing & durable
- Good Tensile Strength
- Good weather and UV light resistance
- Good Oil & Solvent resistance
- Available in standard roll & curtain strip formats

### Options:

#### Style Information and Data

A highly abrasion resistant, Durable, and hard wearing sheeting

**CORU250** 'Crystal' clear PVC sheet and curtain strips are available from stock in size formats stated left. Standard items are made to the following general specifications:-

Polymer Type:	PVC
Hardness:	65
Density - SG:	1.5
Tensile Strength:	10.0 Mpa
Elongation at break:	200%
Abrasion Resistance:	180 mm <sup>3</sup>
Temperature Resistance:	-20/+70°C
Other details upon request.	

## Style 350, 355 & 360 Bonded Cork Sheetings



Style Information and Data

### STOCK ROLL SIZES:

- **Bonded Cork Sheetings**  
CORU350 Nitrile Bonded grade  
Rolls - See below size  
Sheets - 1200 x 1200mm
- CORU355 Neoprene Bonded grade  
Sheets - 1200 x 1200mm
- CORU360 - Anti-Vibration Grade  
Sheets - 1000 x 1000mm

Other types to special order

A range of stock cork sheetings for various applications.

**CORU350** is a general purpose NBR nitrile bonded rubber / cork conforming to specification ASTM F014-93 - F229000

**CORU356** is a general purpose CR/NBR neoprene / nitrile bonded rubber / cork conforming to specification ASTM F014-95 - F226000 - M2 S9 T. This grade is suitable for use with transformer oils.

**CORU360** is a high quality CR/NBR neoprene / nitrile bonded rubber / cork conforming with excellent load bearing and anti-vibration characteristics.

Other details upon request.

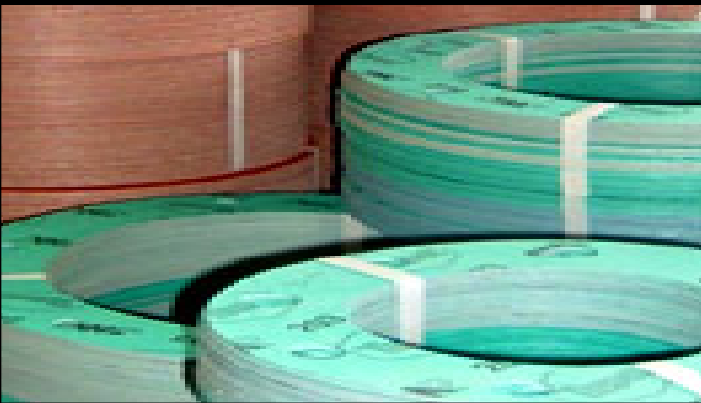
### OTHER GRADES TO SPECIAL ORDER

#### Note

CORU350R roll material - lengths may slightly vary on batch loads

Cut part sheets [from rolls only] subject to a surcharge of 25%

## Style 300[NA30] & 301[NA32] Compressed Non Asbestos Fibre Sheetings



### STOCK ROLL SIZES:

- **CNAF Stock Sheets**  
Sheet Size: 2000mm x 1500mm
- Grade:-  
CORU300/N30 to BS7531 Grade 'Y'  
ASTM F104 Line call out:  
F712111A9B4E12M2
- Grade:-  
CORU301/N32 to BS7531 Grade 'X'  
ASTM F104 Line call out:  
F712111A9B3E12M6

### Style Information and Data

A highly abrasion resistant, Durable, and hard wearing sheeting

**CORU300/N30** is a general purpose compressed non asbestos fibre jointing [CNAF] to BS7531 Grade 'Y' ASTM F104 Line call out: F712111A9B4E12M2

**CORU301/N32** is a high grade compressed non asbestos fibre jointing [CNAF] conforming to BS7531 Grade 'X' ASTM F104 Line call out: F712111A9B3E12M6

**Cut half sheets [length only - 1mx1.5m]  
subject to a surcharge of 25%**

## Special Grades & Compounds

We regularly are asked to develop and produce specially formulated compounds and materials to meet our customers specific requirements. A small selection of these are stated below:-

### Flame Resistant sheeting meeting BS476

A compound that can be used for both sheeting and flooring applications and of particular interest for underground applications [mining, railways etc] where flame resistance and smoke emissions are of paramount importance. The sheet developed meets the following independently tested specifications:-

**Fire Classification :** M1 as per BS476: Part 7: 1977

**Smoke Density:** Type 1B as per BS6853: 1999 Annex D.8.6

**Smoke Toxicity:** Type 1A as per BS6853: 1999 Clause B.4.2

The above grade can also be made with electrical resistance meeting British Standard: **BS921/1976** with either a plain or patterned, anti-slip surface.

### Conductive and Non Conductive Sheetings.

Various grades have been developed in differing specification characteristics, the latest one meeting British Standard Specification BS2050. The can also be made to order with a range of anti-slip surface finishes.

### Fabric combination materials

We are able to offer a multitude of fabric and rubber combinations [insertions] in a wide variety of fabrics including nylons, polyamides, EP belting fabrics, polyesters, cottons and natural materials. These can be embedded into the materials or surface coated. They are usually added to give varying degrees of additional burst and tear strength or non stretch characteristics. However, on a recent material developed a combination of strength and stretch was required for a customers requirement to make specialised rubber 'stretch' covers for sports equipment. This was achieved by coating a 'high stretch' fabric material onto the surface of a high quality 'elasticated' natural rubber. This enables material to be fabricated [sewn/stitched] into a variety of cover and bag sizes for 'snug' fits on sports equipment.

### Coloured Materials

We have always been very versatile on our range of coloured materials but we can now offer sheeting and flooring materials to meet most RAL colour matches. A recent one undertaken successfully was a 'challenging' yellow natural rubber material to RAL1003!

### 'TAKIBAK' Speciality Coated Materials

Takibak is a very specialised coating material applied to rubbers to aid with bonding to other substrates. It is coated to a surface of rubber material and then covered [for protection] with a peel of film. It is normally applied to high abrasion and wear materials for the lining of chutes and bins but can be applied to other materials for differing applications if required and where the bond or lamination of a material is important.

On certain grades we can also offer for an abraded faced to facilitate the application of laminates and adhesives.

### Self-Adhesive Coated Backed Materials

We can offer a coating service for self-adhesive backing on many of our standard sheet materials. Various types of adhesives are available to meet varying application requirements. We would be pleased to offer against your specific enquires but due to the nature of these products we can only offer subject to clients own determination of suitability as no guarantees can be given. In any case, unless stated our self adhesive backings should not be considered for 'critical' or absolute permanent bonds.

### Drum Lagging Sheet - 'RHOMBUS' Pattern

A special formulated sheeting with 'rhombus' diamond pattern design on one face for drum covering on conveyor systems. Can be produced in various compounds, with or without 'Takibak' coating on reverse - see above.

### Sandwich - Dual Hardness Sheet Materials

Sheet materials in varying hardness layers - two or three combination hardness's usually coloured coded for hardness. Various hardness and compound options are available to special order.

**The above are just a small selection of the materials we have developed and produced. At present these materials are not standard stock grades and would be subject to minimum production and batch runs.**

**Other grades available to special order - subject to minimum batch quantities**





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