



Coru206 Black Non Reinforced Diaphragm 100% Premium Grade Nitrile 70° shore

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.25	ASTM D297	1.25
HARDNESS	DIN 53505	65 ± 5 SH A	ASTM D2240	65 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	1425 PSI	ASTM D412	100 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	350%	ASTM D412	350%
COMPRESSION SET (70°C/24 HRS/25% SET) (MAX)	DIN ISO 815-1	30%	ASTM D395 METHOD B	30%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	140 LBS/INCH	ASTM D624	25 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 70°C)			ASTM D 573	
--- HARDNESS (PTS)		+ 4 (MAX)		+ 4 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / -10		+ 10 / -10
--- ELONGATION AT BREAK (%)		+ 10 / -20		+ 10 / -20
VOLUME SWELL : AT 70°C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		-2%		-2%
IRM OIL NO.2		+ 4%		+ 4%
IRM OIL NO.3		+ 13%		+ 15%
POLYMER CONTENT (NITRILE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		EXCELLENT		EXCELLENT
--- SOLVENTS		GOOD		GOOD
TEMPERATURE RANGE		-30° TO + 120° C		-30° TO + 120° C