



Coru168 - Metal Detectable Blue FDA Neoprene Sheet

Approved to: FDA 21 CFR 177.2600 – EU1935/2004 compliant

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.50 ± 0.05	ASTM D297	1.50 ± 0.05
HARDNESS	DIN 53505	65 ± 5 SH A	ASTM D2240	65 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	1990PSI	ASTM D412	140 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	600%	ASTM D412	600%
COMPRESSION SET (70°C/24 HRS/25% SET) (MAX)	DIN 53517	50%	ASTM D395 METHOD B	50%
POLYMER CONTENT (%)		100		100
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	170 LBS/INCH	ASTM D624	30 KG/CM
CHANGE IN PROPERTIES AFTER				
HEAT AGEING (72 HRS. AT 70 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / - 25		+ 10 / - 25
--- ELONGATION AT BREAK (%)		+ 10 / - 30		+ 10 / - 30
VOLUME SWELL : AT 70°C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		+18%		+18%
IRM OIL NO.2		+23%		+23%
IRM OIL NO.3		+60%		+60%
POLYMER CONTENT (NEOPRENE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		GOOD	ASTM D 1149	GOOD
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-25° TO + 120° C		-25° TO + 120° C
COLOUR		BLUE		

Extraction Data Test Results

Test Name: Determination of Amount of Extractives Method : With reference to US FDA 21 CFR 177.2600

For use in contact with aqueous food:

Extractants	Test Condition	Result (MG/INCH ²)	Reporting Limit MG/INCH ²	Permissible Limit MG/INCH ²
Distilled Water	Reflux Temperature for 7 Hours	<0.1	0.1	20
	Succeeding 2 hours of extraction	<0.1	0.1	1
Comment	--	PASS	--	--

For use in contact with fatty foods

Extractants	Test Condition	Result (MG/INCH ²)	Reporting Limit MG/INCH ²	Permissible Limit MG/INCH ²
n-Hexane	Reflux Temperature for 7 Hours	<0.1	0.1	175
	Succeeding 2 hours of extraction	<0.1	0.1	4
Comment	--	PASS	--	--

Note MG/INCH² = Milligram per square inch