



WILLIAM JOHNSTON
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Hypalon (100%) WJHN65140

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.40±0.05	ASTM D297	1.40±0.05
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%
ABRASION RESISTANCE;mm3		300	IS 3400 (Part 3)	300
TEAR RESISTANCE (Angular) min	DIN 53515	129 Lbs/Inch	ASTM D624	23 Kg/cm
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)			ASTM D573	
--- HARDNESS (Pts)		+ 3 (Max)		+ 3 (Max)
--- TENSILE STRENGTH (%)		± 10		±10
--- ELONGATION AT BREAK (%)		± 10		±10
VOLUME SWELL : AT 70°C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		+ 10%		+ 10%
IRM OIL NO.2		+ 18%		+ 18%
IRM OIL NO.3		+ 25%		+ 25%
POLYMER CONTENT (HYPALON)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT	ASTM D 1149	EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		GOOD		GOOD
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30°C to + 220°C		-30°C to + 220°C
COLOUR		BLACK		BLACK

Chlorosulphonated Polyethylene (CSM), widely known as Hypalon®, can in some respects be regarded as a superior type of chloroprene, having better heat ageing, chemical resistance and excellent low gas permeability. Ozone and weathering resistance is also excellent and electrical properties are good. Low temperature flexibility and oil resistance is similar to chloroprene. Hypalon has poor fuel resistance and dynamic sealing applications are not recommended in view of its poor compression set. Typical applications include static seals and any components likely to suffer hot and humid weather conditions or exposure to hot liquids and gases.



Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.