

Technical Data Sheet: 60sh 100% content EPDM Rubber

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.15 ± 0.05	DIN 53508	1.15 ± 0.05
HARDNESS	ASTM D2240	60 ± 5 Sh A	DIN 53505	60 ± 5 Sh A
TENSILE STRENGTH (min)	ASTM D412	1425 PSI	DIN 53504	100 kg/cm ²
ELONGATION AT BREAK (min)	ASTM D412	400%	DIN 53504	400%
COMPRESSION SET (70°C/24 hrs/25% Compression) (max)	ASTM D395 METHOD B	20%	DIN 53517	20%
TEAR RESISTANCE (Angular) min	ASTM D624	168 Lbs/inch	DIN 53515	30 Kg/cm
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR (72 hrs. AT 70°C)	ASTM D573			
— HARDNESS (Pts)		+ 3 (Max)		+ 3 (Max)
— TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
— ELONGATION AT BREAK (%)		+ 10 / - 10		+ 10 / - 10
VOLUME SWELL : AT 70°C FOR 72 HRS	ASTM D 471			
IN ASTM OIL NO.1		Not Recommended		Not Recommended
IN ASTM OIL NO.2		Not Recommended		Not Recommended
IN ASTM OIL NO.3		Not Recommended		Not Recommended
EPDM RUBBER CONTENT IN TOTAL POLYMER		100%		100%
CHEMICAL RESISTANCE				
— OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
— DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
— CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
— OILS		NOT RECOMMENDED		NOT RECOMMENDED
— SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-40%o + 130°C		-40%o + 130°C
COLOUR		BLACK		BLACK

