

ASTM D2000 M5 CA710 A15 B35 EA14 B22 F17

EPDM 70 ShA

EP / Ethylene Propylene Diene Monomer

EPDM rubber is a terpolymer of ethylene, propylene and diene monomers. O-rings manufactured from EPDM exhibit an excellent resistance to weathering and ozone, water and steam. General purpose EPDM O-rings are manufactured using a sulphur based curing system, these are suitable for use up to +120°C whereas peroxide cured O-rings can be used up to +150°C. EPDM is particularly useful when sealing in brake systems that use fluids having a glycol (Dot 3 and 4) or silicone base (Dot 5). Polymax peroxide cured EPDM O-rings have a series of approvals including ACS, WRAS, KTW, EN 681-1.

Colour: Black

Operating temperature range: -30°C to 125°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	71
Tensile Strength	ASTM D 412	Mpa	10.5
Elongation	ASTM D 412	%	255
Specific Gravity	ASTM D 297	g/cm3	1.19 ±0.03
Compression Set 22h / 125°C	ASTM D 395 B	%	38
Tear Resistance	ASTM D 624 C	N/mm	49
Low Temperature Resistance	ASTM D 1329 - TR10	°C	-40

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	125	4	-14	-24	
Water	ASTM D 471	70	100				2

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