

ASTM D2000 M4 CA717 A26 B16 EA14 F1-10

EPDM 70 ShA Peroxide Cured

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. Please contact us for further information.

Colour: Black

Operating temperature range: -30°C to 150°C

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	70
Tensile Strength	ISO 37 - tipo 2	Mpa	17
Elongation	ISO 37 -tipo 2	%	220
Modulus at 100%	ISO 37	N/mm2	4.5
Specific Gravity	ISO 2781 A	g/cm3	1.14
Compression Set <10	ISO 815 B	%	13
Tear Resistance	ISO 34-1 C	N/mm	32
Low Temperature Resistance	ISO 2921 / <-37	°C	-42

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ISO 188 B	70	150	4	-25	-25	-0.4
Water	ISO 1817	70	100	-1	-4	-7	1.3

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product. All sales subject to our standard terms www.polymax.co.uk/sales-terms