POLYMAX
Leaders in rubber technology

Unit 75, Whitehill & Bordon Enterprise Park
Budds Lane, Bordon, Hampshire GU35 0FJ
Email: sales@polymax.co.uk Tel: +44 (0)1420 474 123

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