

TECHNICAL SPECIFICATION: EPDM

Compound: Ethylene Propylene Diene Monomer, (**EPDM**), Hardness: 65 Shore A

This polymer is the CA class according to the ASTM D2000-SAEJ200 Classification System. In addition the EPDM compound complies with the ratings shown with reference to the ASTM standards listed.

ASTM Method	Test Description	Specification Requirements	Test Results Black EPDM Dektite	Test Results Grey EPDM Dektite	Test Results Red Silicone Dektite
D2240	Shore 'A' Hardness	60 +/- 5	60	60	60
D412	Tensile Strength (MPa min)	7.0 min	10.5	10.5	8.5
D412	Elongation @ Break (% min)	350 min	650	650	525
D624	Tear Resistance Die C (kN/m min)	20.0 min	31.5	32	22
	Trouser Tear (kN/min)	10.0 min	14	14.5	12
D573	Heat Resistance 70 hrs @ 100°C				
	Change in Hardness (points)	+/- 10	1	3	6
	Change in Tensile (%)	+/- 25	3.5	-5	9
	Change in Elongation (%)	+/- 25	-14	-16	-9
D395	Compression Set 22 hrs @ 70°C (% max)		14	14.5	7
D1171	Resistance to Ozone	100ppm No Cracks	Passed	Passed	Passed
D2137	Low Temp. Brittleness (3 mins @ -40°C)	Non-Brittle	Passed	Passed	Passed
U.L.94	Flame Resistance	U.L. 94 H.B.	Passed	Passed	Passed

This material also conforms to the following Australian Standards:

SAA HB 39 –1997

AS2918 –1990

Installation Code for Metal Roofing and Wall Cladding.

Installation of Domestic Solid Fuel Burning Products

EPDM withstands temperatures from -50°C to 115°C and up to 150°C intermittently

Silicone withstands temperatures from - 60°C to 200°C and up to 250°C intermittently



DEKS Industries Pty reserve the right to alter the specification given here without prior notification