

KM EPDM Setting Block – Shore Hardness 80A

Material Description

KM EPDM Setting Block is for sealing against diluted and highly concentrated acid and lye.

Other properties:

- Excellent Heat Aging / Ozone Resistance
- Good resistance to polar fluids such as acetone, methanol etc.
- Outstanding electrical insulation properties
- Low steam permeability
- Good thermal resistance
- Low brittleness temperature
- Temperature range: -50°C to 120°C dry conditions; with water and steam up to 130°C



Typical Properties

Property	Standard Value	Result	Test Method
Hardness, Shore A (Type A / 1 sec)	80 ± 5	82	ASTM D2240-15 ^{e1}
Tensile Strength (MPa)	≥ 12.4	15.3	ASTM D412-16 (Die C; V=500 mm/min)
Elongation (%)	≥ 175	200	
Ozone Resistance (100pphm; 20%; 40°C x 100 hours)	No cracks	No cracks	ASTM D1149-18 Method B
Tear Strength (kN/m)	≥ 17.5	56.1	ASTM D624-00(2012) (Die C; V=500mm/min)
Compression Set (%) (100°C; 22H)	≤ 35	25	ASTM D395-18

Test Condition	Property	Standard Value	Result
Hot Air Aging (100°C x 70 hours) ASTM D573-04(2015)	Change in Hardness (Type A / 1 sec)	Max. Increase 10	Increase 3
	Change in Tensile Strength (%)	Max. 15	+10
	Change in Elongation at Break (%)	Max. 40	-10