

RT-FKM72-BK

FKM · standard · black · 72 Sh A

Product overview

Material family	FKM
Colour	Black
Available thicknesses	0.5 · 1 · 1.5 · 2 · 3 · 4 · 5 · 6 · 8 · 10 · 12 mm
Roll width	1200 mm
Roll length	20000 mm
Typical use	Extreme chemical/thermal resistance; harsh media.

Certifications & compliance

- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.90 ± 0.05
Hardness	DIN 53505 / ASTM D2240	70 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	711 PSI / 50 kg/cm ²
Elongation at break (min)	DIN 53504 / ASTM D412	200 %
Compression set (150°C/24 h/25% compression) (max)	DIN 53517 / ASTM D395 METHOD B	35 %
Tear resistance (angular) min	DIN 53515 / ASTM D624	112 lbs/inch / 20 kg/cm
Change in properties after heat ageing for (72 h at 150 °C)	ASTM D573	
Hardness (pts)		+5 (max)
Tensile strength (%)		+10 /-10
Elongation at break (%)		+15 /-15
Volume swell: at 150 °C for 72 h	ASTM D471	
IRM oil No. 901		-6 %
IRM oil No. 902		-1 %
IRM oil No. 903		+5 %
Chemical resistance		
Ozone	ASTM D1149	Excellent
Dilute acids and bases		Excellent
Concentrated acids and bases		Excellent
Oils		Very good
Solvents		Very good
Temperature range		-30 °C to +275 °C
Finish		Both sides smooth finish