

RT-EPDM70-BK-PX

EPDM · peroxide-cured · black · 70 Sh A

Product overview

Material family	EPDM
Colour	Black
Available thicknesses	1 · 2 · 3 · 4 · 5 mm
Roll width	1400 mm
Roll length	10000 mm
Typical use	Excellent weather/ozone/UV, hot water and steam; outdoor.

Certifications & compliance

- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.25 ± 0.05
Hardness	DIN 53505 / ASTM D2240	70 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	1280 PSI / 90 kg/cm ²
Elongation at break (min)	DIN 53504 / ASTM D412	200%
Compression set (100°C/22 h/25% compression) (max)	DIN 53517 / ASTM D395 METHOD B	25 %
Tear resistance (angular) min	DIN 53515 / ASTM D624	140 lbs/inch / 25 kg/cm
Change in properties after heat ageing for (72 h at 70 °C)		ASTM D573
Hardness (pts)		+ 5 (max)
Tensile strength (%)		± 25 (max)
Elongation at break (%)		± 30 (max)
Volume swell: at 70°C for 72 h	ASTM D471	
In IRM oil No. 901		Not recommended
In IRM oil No. 902		Not recommended
In IRM oil No. 903		Not recommended
Chemical resistance		
Ozone at 200 pphm /48 h/40 °C	ASTM D1149	No cracks
Dilute acids and bases		Excellent
Concentrated acids and bases		Excellent
Temperature range		-40 °C to +140 °C