

RT-EPDM70-BK-FR

EPDM · flame retardant · black · 70 Sh A

Product overview

Material family	EPDM
Colour	Black
Available thicknesses	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

- Fire behaviour: EN 45545-2, requirement set R10, hazard level HL3 (railway applications)
- Fire behaviour: BS 476 Part 7, class 3
- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	DIN 53508 / ASTM D297	1.45 ± 0.05
Hardness	DIN 53505 / ASTM D2240	70 ± 5 Sh A
Tensile strength (min)	DIN 53504 / ASTM D412	995 PSI / 7 MPa
Elongation at break (min)	DIN 53504 / ASTM D412	400 %
Compression set (70°C/24 h/25% compression) (max)	DIN 53517 / ASTM D395 METHOD B	25 %
Tear resistance (angular) min	DIN 53515 / ASTM D624	112 lbs/inch / 19.6 kN/m
Change in properties after heat ageing for (168 h at 85 °C)		ASTM D573
Hardness (pts)		+10 (max)
Tensile strength (%)		+15 / -15
Elongation at break (%)		+10 / -30
Fire resistance	BS 476 Part 7 (per BS 6853)	Class 3
Hazard level	EN 45545-2	HL 3
Chemical resistance		
Ozone 200 pphm 96 h 40°C 20 %	ASTM D1149	No cracks
Dilute acids and bases		Good
Concentrated acids and bases		Medium
Oils		Medium
Temperature range		-30 °C to +100 °C