



Black Flame Retardant Rubber 70° Shore to EN 45545 HL3

Technical Specifications				
SM172 EPDM EN 45545-2 + A1 2015 - Halogen Free				
Properties	Test Method	Values FPS Units	Test Method	Values Metric Units
Specific Gravity	DIN 53508	1.45 +- 0.05	ASTM D297	1.45 +- 0.05
Hardness	DIN 53505	70 +- 5 Sh A	ASTM D2240	70 +- 5 Sh A
Tensile Strength (min)	DIN 53504	995 PSI	ASTM D412	70 kg/cm ²
Elongation at Break (min)	DIN 53504	400%	ASTM D412	400%
Compression set (70°C /24 hrs/25% set) (max)	DIN 53517	25%	ASTM D395 Method B	25%
Tear resistance (angular) (min)	DIN 53515	112 Lbs/Inch	ASTM D624	20 kg/cm
Change in Properties				
Heat ageing (168 hrs at 85°C)			ASTM D573	
--- Hardness		+10 (max)		+10 (max)
--- Tensile Strength (%)		+15 / -15		+15 / -15
--- Elongation at break (%)		+10 / -30		+10 / -30
Polymer		100% EPDM		100% EPDM
Ozone 200 PPHM 96H 40°C 20%		No cracks	ASTM D1149	No cracks
Hazard Level	EN 45 545	HL3	EN 45 545	HL3
Fire Resistance	BS 476, Part 7 vehicle cat. La	Class 3	BS 476, Part 7 vehicle cat. La	Class 3



TOPE DEVELOPMENTS LIMITED

1a Prestwood Place
Skelmersdale
Lancashire
WN8 9QE

enquiries@topedevelopments.com

	acc. To BS 6853		acc. To BS 6853	
Chemical Resistance				
--- Ozone		Very Good		Very Good
--- Dilute Acids and Bases		Good		Good
--- Concentrated Acids and Bases		Medium		Medium
--- Oils		Medium		Medium
Temperature Range		-30°C to +100°C		-30°C to +100°C
Colour		Black		Black