



Adhesive Backed Materials Ltd

ABM, Geith Ind Est, Crown Business Park, Tredegar, Gwent, UK. NP22 4EF
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EPDM UL94-VO Flame Retardant Grade 176

Black Flame Retardant EPDM – 65 Shore

Property	Detail
Material Type	100% EPDM rubber compound, flame retardant
Colour	Black
Hardness	65° Shore A (nominal)
Flammability	UL94 V-0 Pass

Technical Data

Property	Test Method	Units	Typical Value
Specific Gravity	DIN 53508		1.40 ±0.05
Hardness	DIN 53505	Shore A	65 ±5
Tensile Strength (min)	DIN 53504	kg/cm ²	50
Elongation at Break (min)	DIN 53504	%	200
Compression Set max (70°C/24hr/25% set)	DIN 53517	%	50
Tear Resistance - Angular (min)	DIN 53515	kg/cm	20
Polymer Content (EPDM)		%	100
Anti-Static Characteristic	ASTM D257	ohms	10 ⁴ to 10 ⁸



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Flammability	UL94		V-0 Pass
Heat Ageing (72hr at 70°C)	ASTM D573		
Hardness change (max)		pts	+5 max
Tensile Strength change		%	+10 / -10
Elongation at Break change		%	+10 / -20
Volume Swell (70°C/72hr)	ASTM D471		
ASTM Oil No.1		%	Not Recommended
ASTM Oil No.2		%	Not Recommended
ASTM Oil No.3		%	Not Recommended
Chemical Resistance - Ozone	ASTM D1149		Excellent
Chemical Resistance - Dilute Acids & Bases			Excellent
Chemical Resistance - Concentrated Acids & Bases			Excellent
Chemical Resistance - Oils			Not Recommended
Chemical Resistance - Solvents			Not Recommended
Temperature Range		°C	-30 to +130
Colour			Black

The above figures are average values and should be considered as guidelines not specifications. While reasonable care has been taken to ensure that this data is representative, we do not warrant or otherwise guarantee, expressly or impliedly, the suitability, accuracy, reliability or completeness of the information. We recommend evaluation prior to use to ascertain the suitability of the material for the application.