



Adhesive Backed Materials Ltd

ABM, Geith Ind Est, Crown Business Park, Tredegar, Gwent, UK. NP22 4EF
www.abmuk.net info@abmuk.net +44 (0) 1495 711895

EPDM WRAS Grade 177 - Low Temp Water

Black WRAS Approved EPDM – 70 Shore

Property	Detail
Material Type	100% EPDM rubber compound, WRAS approved
Colour	Black
Hardness	70° Shore A (nominal)
Approval	WRAS Approved – suitable for contact with potable water

Technical Data

Property	Test Method	Units	Typical Value
Specific Gravity	DIN 53508		1.13 ±0.05
Hardness	DIN 53505	Shore A	70 ±5
Tensile Strength (min)	DIN 53504	kg/cm ²	110
Elongation at Break (min)	DIN 53504	%	320
Compression Set max (70°C/24hr/25% set)	DIN 53517	%	20
Tear Resistance - Angular (min)	DIN 53515	kg/cm	40
Polymer Content (EPDM)		%	100
Carbon Content		%	30

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Heat Ageing (72hr at 70°C)	ASTM D573		
Hardness change (max)		pts	+2
Tensile Strength change		%	+8 / -8
Elongation at Break change		%	+15 / -15
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	-40 to +120
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.