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

BA40 Nitrile Grade 189

SPECIFICATION DATA SHEET

Property	Test Method	Units	Value
Density	BS 903: Part A1	Mg/m³	1.10 ± 0.02
Hardness	BS903: Part A26	IRHD	40 (+5–4)
Tensile Strength (Min)	BS 903: Part A2	MPa	7
Elongation at Break (Min)	BS 903: Part A2	%	600
Compression Set (70°C/24 hrs/25% Set) (Max)	BS 903: Part A6	%	30
Tear Resistance (Angular) Min	BS 903: Part A3 (Z)	Kg/cm	30
Resistance to Accelerated Ageing – 168 Hrs at 70°C | BS 903: Part A19			
— Hardness Change	BS 903: Part A26	pts	+10 (MAX)
— Tensile Strength Change	BS 903: Part A2	%	−10 (MAX)
— Elongation at Break Change	BS 903: Part A2	%	−35 (MAX)
Volume Swell: at 40°C for 24 hrs in Fuel B (Max)	BS 903: Part A16	%	+30 (MAX)
Resistance to Low Temperature – Stiffness shall not exceed 70 MPa	BS 903: Part A13	°C	−30
Adhesion to and Corrosion of Metals at 70°C / 168 hrs	BS 903: Part A37		Meets Requirements
Polymer Content (Nitrile)		%	100
Additional Information – Chemical Resistance			
Ozone	BS 903: Part A43		Fair
Dilute Acids and Bases	BS 903: Part A16		Good
Concentrated Acids and Bases			Not Recommended
Mineral Oil / Petroleum			Excellent
Solvents			Fair
Temperature Range		°C	−30 to +120

Colour		Black
Volume Swell at 70°C for 72 hrs		
IRM / ASTM Oil No.1	%	-3
IRM / ASTM Oil No.2	%	-2
IRM / ASTM Oil No.3	%	+10

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.