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

Natural Rubber 40° Shore Grade 230

Black Natural Rubber – 40 Shore (BS1154 Z40)

Property	Detail
Material Type	100% natural rubber compound
Colour	Black
Hardness	40° IRHD (nominal)
Standard	BS1154 Z40

Technical Data

Property	Test Method	Units	Typical Value
Specific Gravity	BS 903: Part A1		1.10
Hardness	BS 903: Part A26	IRHD	40 ±5
Tensile Strength	BS 903: Part A2	kg/cm^2	190
Elongation at Break (min)	BS 903: Part A2	%	600
Compression Set max (70°C/24hr/25% set)	BS 903: Part A6	%	30
Tear Resistance - Angular (min)	BS 903: Part A3	kg/cm	40
Abrasion Resistance		mm^3	110
Polymer Content (Natural Rubber)		%	100
Heat Ageing (168hr at 70°C)	BS 903: Part A19		

Hardness change (max)	BS 903: Part A26	pts	+5 / -5
Tensile Strength change (max)	BS 903: Part A2		-10%
Elongation at Break change (max)	BS 903: Part A2		-15%
Chemical Resistance - Ozone	BS 903: Part A43		Good
Chemical Resistance - Dilute Acids & Bases	BS 903: Part A16		Fair
Chemical Resistance - Concentrated Acids & Bases			Not Recommended
Chemical Resistance - Oils			Not Recommended
Chemical Resistance - Solvents			Not Recommended
Temperature Range		°C	-20 to +70
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.