MacLellan
Polymers to Industry

Data Sheet	C653 70 Shore A Peroxide Cured EPDM Rubber Sheeting

Data Sheet Type	Final
Material Reference	C653
Polymer	EPDM
Date Issued	23/06/26

Description

This Ethylene Propylene Diene Monomer (EPDM) Rubber sheeting is 100% Cured with Peroxide is of European Source so benefits from EU Assurance and traceability. This material has excellent compression set and good mechanical properties and is typically used for gaskets and joints in high temperature applications, and require ozone resistance as well as excellent mechanical properties.

Specifications	Values	Test Methods
Compression Set(22 Hours @ 70°C)	13 %	ASTM D395 Method B
Elongation at Break	200 %	ASTM D412
Heat Ageing - Change in Elongation @ Break	-5 % 72 Hrs @ 70 C	ASTM D412
Heat Ageing - Change in Hardness	+2 ° Shore 72 Hrs @ 70 C	ASTM D2240
Heat Ageing - Change in Tensile Strength	-1 % 70 Hrs @ 150 C	ASTM D412
Highest Recommended Working Temperature	150 °C	None
Lowest Recommended Working Temperature	-35 °C	None
Maximum Pressure	250 PSI	None
Shore Hardness (Shore A)	70 ° Shore	ASTM D2240
Specific Gravity	1.23 g/cm 3	ASTM D2240
Tensile Strength	9 MPA	ASTM D412

Purposes

High Working Temperature

Ozone Resitance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.