MacLellan
Polymers to Industry

Data Sheet	P599 Expanded Neoprene/EPDM Blended Sponge Rubber
Data Sheet Type	Final
Material Reference	P599
Polymer	CR/EPDM Blend
Date Issued	21/06/26

Description

PL599 is a high quality EPDM/CR(Neoprene) Blended Sponge with excellent weathering and water tight properties as well as sound and thermal control. Typically used in applications such as Acoustic Enclosures, Vibration Dampening, and Expansion Joints in high technology industries including Automotive, Electronics and Construction.

Specifications	Values	Test Methods
ASTM D1056-14 Classification	2C2 B3 M	ASTM D1056
Compression Set 50% Compression (22 Hours @ 23°C) 24 Hour Recovery	35 % Maximum	BS ISO 7214 2012
Compression Stress/Strain - 25%	40 Kpa	BS ISO 7214 2012
Density	120 Kg/m3 +/-10	BS ISO 7214 2012
Elongation at Break	200 % Minimum	ASTM D412
FMVSS302 Pass Thickenss	3 mm Minimum	FMVSS302
Highest Recommended Working Temperature	80 °C Maximum	None
Intermittent Working Temperature	100 °C Short Bursts Only	None
Lowest Recommended Working Temperature	-30 °C Minimum	None
Shore Hardness (Shore OO)	40 ° Shore	ISO 8301 1991
Water Absorption	3 % Maximum	ASTM D1056

Purposes

Anti-Vibration

Flame Retardent

Ozone Resitance

Weather Resistance

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.