MacLellan
Polymers to Industry

Data Sheet	LD15 Plastazote® Closed Cell Polyethylene Foam Sheets & Rolls
Data Sheet Type	Final
Material Reference	LD15
Polymer	PE
Date Issued	29/11/26

Description

LD15 Plastazote is an Inert Polyethylene Foam functional and aesthetically pleasing for a number of industries including but not limited to: Automotive, Packaging, Leisure, Cosmetics & Toys. This grade has a density of 15Kg/m3 and is available in black and white in a variety of Sheet/Roll sizes from 1mm thick and can be fabricated to virtually any thickness.

Specifications	Values	Test Methods
Cell Diameter	0.38 mm Typical	BS ISO 7214 2012
Compression Set 25% Compression (22 Hours @ 23°C) 1/2 Hour Recovery	15 %	BS ISO 7214 2012
Compression Set 25% Compression (22 Hours @ 23°C) 24 Hour Recovery	7 %	BS ISO 7214 2012
Compression Set 50% Compression (22 Hours @ 23°C) 1/2 Hour Recovery	31 %	BS ISO 7214 2012
Compression Set 50% Compression (22 Hours @ 23°C) 24 Hour Recovery	23 %	BS ISO 7214 2012
Compression Stress/Strain - 10%	26 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 25%	45 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 40%	75 Kpa	BS ISO 7214 2012
Compression Stress/Strain - 50%	107 Kpa	BS ISO 7214 2012
Density	15 Kg/m3 Nominal	BS ISO 7214 2012
FMVSS302 Pass Thickenss	17 mm Minimum	FMVSS302
Highest Recommended Working Temperature	95 °C Maximum	None
Horizontal Burn Rate @ 13mm Thick	2.8 mm/sec	None
Horizontal Burn Rate @ 5mm Thick	3.6 mm/sec	None
Lowest Recommended Working Temperature	-70 °C Minimum	None
Tensile Strength	245 Kpa	BS ISO 7214 2012

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.