

Data Sheet P152 Closed Cell 45Kg Polyethylene Foam Sheets & Rolls

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| Data Sheet Type | Final |
| Material Reference | P152 |
| Polymer | PE |
| Date Issued | 30/08/25 |



Description

P152 is a Closed Cell, Cross-Linked, Chemically Blown 45Kg/M3 Polyethylene that can be supplied in Sheets & Rolls and Fabricated to virtually any shape or size. Typically applications include but are not limited to Automotive, Toys & Leisure, Medical & Orthopedics.

| Specifications | Values | Test Methods |
|--|------------------|------------------|
| Compression Set 25% Compression (22 Hours @ 23°C) 1/2 Hour Recovery | 7 % | BS ISO 7214 2012 |
| Compression Set 25% Compression (22 Hours @ 23°C) 24 Hour Recovery | 2 % | BS ISO 7214 2012 |
| Compression Set 50% Compression (22 Hours @ 23°C) 1/2 Hour Recovery | 20 % | BS ISO 7214 2012 |
| Compression Set 50% Compression (22 Hours @ 23°C) 24 Hour Recovery | 7 % | BS ISO 7214 2012 |
| Compression Stress/Strain - 10% | 88 Kpa | BS ISO 7214 2012 |
| Compression Stress/Strain - 25% | 103 Kpa | BS ISO 7214 2012 |
| Compression Stress/Strain - 50% | 172 Kpa | BS ISO 7214 2012 |
| Density | 45 Kg/m3 Nominal | BS ISO 7214 2012 |
| Elongation at Break | 224 % Minimum | ASTM D412 |
| FMVSS302 Pass Thickenss | 35 mm | FMVSS302 |
| Highest Recommended Working Temperature | 90 °C Maximum | None |
| Lowest Recommended Working Temperature | -60 °C Minimum | None |

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.