



PLASTAZOTE MP15FR CLOSED CELL FOAM

MATERIAL SPECIFICATION SHEET

Description		Standard	Value	Unit
Normal Density		BS ISO 7214 1998	15	Kg/m ³
Cell Size – Typical Diameter		Internal	0.90	mm
Compression Stress-Strain (10% compression)		BS ISO 7214 1998	18	kPa
Compression Stress-Strain (25% compression)		BS ISO 7214 1998	35	kPa
Compression Stress-Strain (40% compression)		BS ISO 7214 1998	62	kPa
Compression Stress-Strain (50% compression)		BS ISO 7214 1998	89	kPa
Compression Set (25% comp., 22 hr., 23°C) ½ hr. recovery		BS ISO 7214 1998 25mm cell-cell	18	% set
Compression Set (25% comp., 22 hr., 23°C) 24hr recovery		BS ISO 7214 1998 25mm cell-cell	5	% set
Compression Set (50% comp., 22hr, 23°C) ½ hr recovery		BS ISO 7214 1998 25mm cell-cell	38	% set
Compression Set (50% comp., 22hr, 23°C) 24hr recovery		BS ISO 7214 1998 25mm cell-cell	26.5	% set
Tensile Strength		ISO 7214 1998	353	kPa
Tensile Elongation		ISO 7214 1998	146	%
Tear Strength		BS EN ISO 8067 1985	545	N/m
Shore Hardness OO Scale 10mm cell/cell thickness		ISO 868 1985	26	OO
Recommended operating temperature range		Internal	+95 max -70 min	°C
Thermal Conductivity Mean temp of 10°C		ISO 8302 1991	0.0390	W/m.K
Flammability Automotive		FMVSS.302 – Burn Rate	Pass > 3mm thick	<100mm/min
Aerospace		CAA 8 section 2.2(b)	Complies	
Aerospace		Airbus ABD0031	Complies	
Aerospace		CS 25.853(b) Appendix F	Complies	

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This data sheet is for MP15FR, available in sheets.

Plastazote MP grades are closed cell, cross-linked, metallocene polyethylene foams.



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