

Technical Data Sheet

Foam | Polyethylene| LD45

Plastazote LD45 is a closed-cell, cross-linked polyethylene foam blended a nominal density of 2.8 PCF / 45 kg/m³. It comes in Black, Red, White, Blue, or Grey. It is manufactured with Zotefoams' unique chemical-free nitrogen infusion process, producing an environmentally friendly product with low VOCs. It is available in sheet form and can be thermoformed into different shapes. It has a cell size of 0.4 mm and a thermal conductivity of 0.042 W/m.K.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	2.8 PCF / 45 kg/m ³		BS ISO 7214 1998
Compression Deflection (CFD) (psi) (kPa) @10% @25% @40% @50%	11.1 psi / 77 kPa 13.6 psi / 94 kPa 18.8 psi / 130 kPa 24.6 psi / 170 kPa		BS ISO 7214 1998
Shore Hardness OO (Durometer)	60		ISO 868 1985
Compression Set (%) 22hr, 23°C @25%: ½ hr recovery - 24 hrs recovery @50%: ½ hr recovery - 24 hrs recovery	7.5 2.5 18.5 10		BS ISO 7214 1998 25mm cell-cell
Tensile Strength (psi)(kPa)	81.2 psi 560 kPa		ISO 7214 1998
Elongation (%)	175		ISO 7214 1998
Tear Strength Resistance (N/m)	1150		BS EN ISO 8067 1995
Water Absorption by Weight (lb/ft ²)			
Accelerated Age Testing:			
Service Temperature (°F)(°C) Low High intermittent	°F -94 221	°C -70 105	
Flame Resistance	Pass 5 mm and thicker 5mm thick: 1.3 mm/sec 13mm thick: 0.7 mm/sec		FMVSS302 (<100mm/min) Horizontal Burn Rate - ISO 7214 1998
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	FMVSS302 SI 2358 (1989)		

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