

Technical Data Sheet

Foam | Polyethylene| LD50CN

Plastazote LD50CN is a closed-cell, cross-linked polyethylene foam with conductive capabilities and has a nominal density of 3.1 PCF / 50 kg/m³. 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 .85 mm and a thermal conductivity of 0.042 W/m.K.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	3.1 PCF 50 kg/m ³		BS ISO 7214 1998
Compression Deflection (CFD) (psi) (kPa) @10% @25% @40% @50%	17.4 psi / 120 kPa 20.1 psi / 139 kPa 24.9 psi / 172 kPa 31 psi / 214 kPa		BS ISO 7214 1998
Shore Hardness OO (Durometer)	73		ISO 868 1985
Compression Set (%) 22hr, 23°C @25%: ½ hr recovery - 24 hrs recovery @50%: ½ hr recovery - 24 hrs recovery	7.5 3.5 16 10		BS ISO 7214 1998 25mm cell-cell
Tensile Strength (psi)(kPa)	74.7 psi 515 kPa		ISO 7214 1998
Elongation (%)	65		ISO 7214 1998
Tear Strength Resistance (N/m)	800		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: 1.0 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 ASTM D991-89 10 ³ ohm.cms		

REV. 002

REV. DATE: 09/30/18

ISO 9001:2015 • ISO/IEC 17025:2017

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