

Technical Data Sheet

Foam | Polyethylene | LD60

Plastazote LD60 is a closed-cell, cross-linked polyethylene foam with a nominal density of 3.7 PCF / 60 kg/m³. It comes in Black or White. 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 0.6 mm and a thermal conductivity of 0.0518 W/m.K.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	3.7 PCF 60 kg/m ³		BS ISO 7214 1998
Compression Deflection (CFD) (psi) (kPa) @10% @25% @40% @50%	15.9 psi / 110 kPa 18.1 psi / 125 kPa 23.7 psi / 164 kPa 30.1 psi / 208 kPa		BS ISO 7214 1998
Shore Hardness OO (Durometer)	70		ISO 868 1985
Compression Set (%) 22hr, 23°C @25%: ½ hr recovery - 24 hrs recovery @50%: ½ hr recovery - 24 hrs recovery	5.5 2 14.5 6.5		BS ISO 7214 1998 25mm cell-cell
Tensile Strength (psi)(kPa)	94.2 psi 650 kPa		ISO 7214 1998
Elongation (%)	165		ISO 7214 1998
Tear Strength Resistance (N/m)	1720		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 4 mm and thicker 5mm thick: 1.0 mm/sec 13mm thick: 0.5 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		

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ISO 9001:2015 • ISO/IEC 17025:2017

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