

Technical Data Sheet

Foam | Polyethylene| HD80

Plastazote HD80 is a closed-cell, cross-linked polyethylene foam blended a nominal density of 5 PCF / 80 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 0.063 W/m.K.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	5 PCF 80 kg/m ³		BS ISO 7214 1998
Compression Deflection (CFD) (psi) (kPa) @10% @25% @40% @50%	61.7 psi / 426 kPa 75.8 psi / 523 kPa 76.8 / 530 kPa 86 psi / 593 kPa		BS ISO 7214 1998
Shore Hardness OO (Durometer)	81		ISO 868 1985
Compression Set (%) 22hr, 23°C @25%: ½ hr recovery - 24 hrs recovery @50%: ½ hr recovery - 24 hrs recovery	13 7 21.5 12		BS ISO 7214 1998 25mm cell-cell
Tensile Strength (psi)(kPa)	303 psi 2090 kPa		ISO 7214 1998
Elongation (%)	115		ISO 7214 1998
Tear Strength Resistance (N/m)	4970		BS EN ISO 8067 1995
Water Absorption by Weight (lb/ft ²)			
Accelerated Age Testing:			
Service Temperature (°F)(°C) Low High intermittent	°F -94 266	°C -70 130	
Flame Resistance	Pass 3 mm and thicker 5mm thick: 0.6 mm/sec 13mm thick: 0.4 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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