

Technical Data Sheet

Foam | Polyethylene | 2544

Our 2544 polyethylene foam has a density range 3 PCF / 48 kg/m³ and can be used in a wide variety of applications from roofing, sports equipment to medical cushioning.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	3 PCF 48 kg/m ³		ASTM D3575
Compression Deflection (CFD) (psi) (kPa) @25% @50%	6 psi / 41.3 kPa 17 psi / 117 kPa		ASTM D3575
Shore Hardness OO (Durometer)	52 A = 8		ASTM D 2240
Compression Set (%)	15		ASTM D3575
Tensile Strength (M/CM) (psi)(kPa)	114 / 81 psi 786 / 558 kPa		ASTM D3575
Elongation (M/CM)* (%)	269 / 272		ASTM D3575
Tear Strength Resistance (M/CM)* (ppi)	16 / 19		ASTM D3575
Water Absorption by Weight (lb/ft ²)	Low		
Accelerated Age Testing: Thermal Stability (%) 24 hrs @ 158 °F	(M)* -1.6 / (CM)* -1.2		
Service Temperature (°F)(°C) Low High Continuous High intermittent	°F	°C	
Flame Resistance			
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;			

*Machine/Cross Machine Direction

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