

Technical Data Sheet

Foam | EVA / Polyethylene | 254EO

Our 254EO Polyethylene / EVA blended foam has a density range of 3.6 to 4.4 PCF and is a perfect material for compression molding applications and general use. It has a Thermal Conductivity K factor of 0.3.

Item	Specs	Test Method
Grade		
Density (PCF) (kg/m ³)	3.6 – 4.4 PCF 57.6 – 70.4 kg/m ³	ASTM D3575
Compression Deflection @25% (CFD) (psi) (kPa)	6 psi @25% 16 psi @50% 41.3 kPa @25% 110 kPa @50%	ASTM D3575
Shore Hardness OO (Durometer)	55	ASTM D 2240
Compression Set (%)	13	ASTM D3575
Tensile Strength (Machine Direction/Cross Machine Direction) (psi)	141 / 106	ASTM D3575
Elongation % (Machine Direction/Cross Machine Direction) (%)	314 / 331	ASTM D3575
Tear Strength Resistance (M/CM) (lb/in)	18 / 21	ASTM D3575
Water Absorption by Weight (lb/ft ²)	0.04	ASTM D1667
Accelerated Age Testing: Thermal Stability (%) 3 hrs @ 180°F	-2.6 / -1.1	
Service Temperature (°F)(°C) Low High intermittent	°F °C	
Flame Resistance		
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;		

REV. 002
 REV. DATE: 09/30/18
 ISO 9001:2015 • ISO/IEC 17025:2017

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Head Office: 89 Kenhar Drive,
 Ontario M9L 2R3
 Tel: (416) 749-0600
 info@foamparts.com
 FoamParts.com