

Technical Data Sheet

Foam | EVA | EV50

Evazote EV50 EVA (Ethylene Vinyl Acetate) is a foam with a nominal density of 3.12 PCF / 50 kg/m³ and can be used in a wide variety of applications. EV50 has an operating temperature of -70 C to 65 C. It is a closed cell, cross-linked EVA copolymer foam manufactured with Zotefoam's unique chemical-free nitrogen infusion process, producing an environmentally friendly product with low VOCs. It has a cell size of 0.35 mm and a thermal conductivity of 0.0404 W/m.K.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	3.12 PCF 50 kg/m ³		BS ISO 7214 1998
Compression Deflection @25% (CFD) (psi) (kPa)	7.4 psi @25% 16.6 psi @50% 51 kPa @25% 115 kPa @50%		BS ISO 7214 1998
Shore Hardness OO (Durometer)	47		ISO 868 1985
Compression Set (%) 25% comp., 22hr, 23°C ½ hr recovery 24 hrs recovery 50% comp., 22hr, 23°C ½ hr recovery 24 hrs recovery	10.5% 3% 23.5% 13%		BS ISO 7214 1998 25mm cell-cell
Tensile Strength (psi) (kPa)	121.8 psi 840 kPa		ISO 7214 1998
Elongation %	245%		ISO 7214 1998
Tear Strength Resistance	1055 N/m		BS EN ISO 8067 1995
Water Absorption by Weight %			
Accelerated Age Testing:			
Service Temperature (°F)(°C)	°F	°C	
Low	-94	-70	
High intermittent	149	65	
Flame Resistance	Pass <100mm/min Horizontal burn rate: 5mm thick @ 1.0 mm/sec 13 mm thick @ 0.8 mm/sec		FMVSS302 ISO 7214 1998
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	FMVSS302 - 4mm and thicker		

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