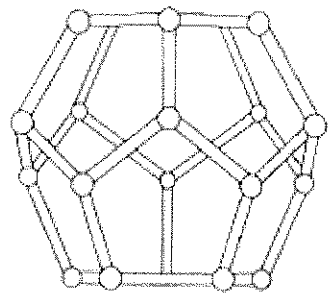
AZ 450

Evazote®

EV50



Ethylene vinyl acetate copolymer foam
50 kg/m3

Revision:
xx

ZOTEGRAM

Evazote foam is a closed cell cross-linked EVA copolymer foam available in sheet form. This data characterises EVA copolymer foam grades EV50 (50kg/m3). The material will thermoform into simple and complex shapes.

Property	Test Method	Units	Typical Value
Density Skin/Skin (s/s)	EN ISO 845 1995 BS 4443 Pt1 : 2 1988 DIN 53420 1978	kg/m³	50
Recommended operating temperature range	Internal	Max °C	+65
		Min °C	-70
Compression stress - strain characteristics	EN ISO 3386/1 1997 BS 443 Pt1 : 5a 1988		
25% Compression	DIN 53572 1986	kPA	40
40% Compression		kPA	75
50% Compression		kPA	110
60% Compression		kPA	170
Compression set s/s thickness 72 hrs 50% compression 23°C, ½ hr recovery	EN ISO 1856 1996 BS 4443 Pt1 : 6b 1988 DIN 53572 1986	% set	28
48 hrs 20% compression 23°C, ½ hr recovery			6
Tear strength	EN ISO 1856 1996 BS 4443 Pt6 : 15 1991	N/m	1300
Tensile strength	ISO 1798 1983 BS 4443 Pt1 : 3a 1988 DIN 53571 1986	kPA	930
Elongation at break		%	220
Water vapour transmission Temperature = 38°C Relative humidity gradient"	ISO 1663 1981 BS 4370 Pt2 : 8 1993 DIN 53429 1971	µg/m²/sec	190
Permeability Sample = 25mm thick		ng/Pa/s/m	0.82
Water absorption	DIN 53428 1986		
1 Day		% vol	<0.1

1 Day		% vol	<0.1
7 Days		% vol	<0.3
14 Days		% vol	<0.4
28 Days		% vol	<0.6
Thermal conductivity Tested at mean temp of 10°C	ISO 8302 1991 BS 874 Pt2 : 2.1 1986	W/m.K	0.040
Horizontal burning characteristics	ISO 3582 1978 BS 4735 1974		
Thickness 5mm		mm/sec	1.0 Burn length = 72mm
Thickness 13mm		mm/sec	0.8 Burn length = 55mm
	FMVSS.302		Pass at 3mm thickness and above
Shore hardness 00 scale (min 10mm c/c thickness)	ISO 868 1985 BS 2782: Pt3 Method 365B : 1992		44