



E-FOAM XPS ... Extruded Polystyrene

Property (Average)	Test Standard	Units	Type VI		Type VII		
Density	ASTM D-1622 DIN 53420	Kg/m3 lbs/ft3	30-32	32-35	3540	4045	45-47
			1.9-2.0	2.0-2.3	2.3-2.6	2.6-2.9	2.9-3.0
Thermal Conductivity max @ 35°C & 60% of RH	ASTN1C 158 DIN 2612/52616	W/m.K Btu.in/ft3.hr.°F	0.0303	0.0303	0.0303	0.0303	0.0303
			0.2101	02101	0.2101	02101	02101
Thermal Resistance of 25.4 mm Thickness@ mean temp of 24±1°C min	ASTM C 158 DIN 2612/52616	(m2.k)W	0.88	0.88	0.88	0.88	88
			276	300	414	414	414
Compressive Strength @ Yield or 10% Deformation, min kPa	ASTM D 1621 DIN 53421	kPa psi	40	44	60	60	60
			414	414	517	517	517
Flexural Strength min kPa	ASTM C 203	psi	1.1	1.1	1.1	1.1	1.1
Water Vapour Thick max	ASTM E96	perm/in	0.3	0.3	0.3	0.3	0.3
Water Absorption by total immersion, max	ASTM C 272 DIN 53428	% by vol	2	2	2	2	/
			24	24	24	24	24
Dimensional Stability Change in dimension, max%	ASTM D 1622	%					
Oxygen Index min Volume %	ASTM C 2863	%	B1	B1	B1	B1	B1
Capillarity	Difficult to Ignite				
Fire Classifications	DIN 4102	Building Material Class					