



Extruded Polystyrene

Property(Average)	Test Standard	Units	Type VI		Type VII		
Density	ASTM D-1622 DIN 53420	Kg/m3 lbs/ft3	30-32 1.9-2.0	32-35 2.0-2.3	35-40 2.3-2.6	40-45 2.6-2.9	45-47 2.9-.0
Thermal Conductivity max @ 35°C & 60% of RH	ASTN1C 158 DIN 2612/52616	W/m.K Btu.in/ft3.hr.°F	0.0303 0.2101	0.0303 0.2101	0.0303 0.2101	0.0303 0.2101	0.0303 0.2101
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
Compressive Strength @ Yield or 10% Deformation, min kPa	ASTM D 1621 DIN 53421	kPa psi	276 40	300 44	414 60	414 60	414 60
Flexural Strength min kPa	ASTM C 203	psi	414	414	517	517	517
Water Vapour Thick max	ASTM E96	perm/in	1.1	1.1	1.1	1.1	1.1
Water Absorption by total immersion, max	ASTM C 272 DIN 53428	% by vol	0.3	0.3	0.3	0.3	0.3
Dimensional Stability Change in dimension, max%	ASTM D 1622	%	2	2	2	2	2
Oxygen Index min Volume %	ASTM C 2863	%	24	24	24	24	24
Capillarity	-	-	-	-	-	-	-
Fire Classifications	DIN 4102	Building Material Class	B1	B1	B1	B1	B1
			Difficult to Ignite				