

Ori-Top

Ori-top is closed cell Polystyrene made by injection molding process with density varying from 20 to 35 kg/m³ according to the customer request.

The panel size, from 1220mm x 620 mm and in any thickness require.

ORIFOAM



ESTD 1994

Expanded Polystyrene (EPS)

Standards	ASTM C 578	TYPE XI		TYPE I		TYPE VIII		TYPE II			TYPE IX			TYPE XIV			TYPE XV		
	ORI FOAM	OF 14	OF 16	OF 18	OF 20	OF 22	OF 24	OF 26	OF 28	OF 30	OF 32	OF 35	OF 40	OF 45	OF 50	OF 60	OF 70	OF 80	
Density Range	12 - 14 Kg/m ³	14 - 16 Kg/m ³	16 - 18 Kg/m ³	18 - 20 Kg/m ³	20 - 22 Kg/m ³	22 - 24 Kg/m ³	24 - 26 Kg/m ³	26 - 28 Kg/m ³	28 - 30 Kg/m ³	30 - 32 Kg/m ³	32 - 35 Kg/m ³	35 - 38 Kg/m ³	38 - 40 Kg/m ³	40 - 42 Kg/m ³	42 - 45 Kg/m ³	45 - 48 Kg/m ³	48 - 50 Kg/m ³	50 - 80 Kg/m ³	
Physical Properties	Compressive Resistance	35	69	90	104			173			276			414					
		(@ yield or 10 % deformation, which occurs first, min kPa)																	
	Thermal Resistance	0.55	0.63	0.67	0.70			0.74			0.74			0.76					
		(of 25.4 mm thickness @ mean temperature of 24 ± 1 °C min, K-m ² /W)																	
	Thermal Conductivity	0.0482	0.0419	0.0394	0.0377			0.0356			0.0356			0.0347					
		(max, W/m.K @ 35 °C and 60 % RH)																	
	Flexural Strength	70	173	208	240			345			414			517					
		(min, kPa)																	
	Water Vapor Permeance	5.0	5.0	3.5	3.5			2.5			2.5			2.5					
		(of 25.4 mm thickness, max, perm)																	
Water Absorption	4.0	4.0	3.0	3.0			2.0			2.0			2.0						
	(total immersion, max, volume %)																		
Dimensional Stability	2.0	2.0	2.0	2.0			2.0			2.0			2.0						
	(change in dimensions, max %)																		
Oxygen Index	24	24	24	24			24			24			24						
	(min, volume %)																		
Density	12	15	18	22			29			38			46						
	(min Kg / m ³)																		

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