



EXPANDED POLYSTYRENE SOLUTIONS

STYRO Expanded Polystyrene (EPS)

Technical and Physical Properties

Product Name : STYRO 460

Manufacturer : STYRO Insulations Mat. Ind. LLC

Standards	ASTM C 578	TYPE XIV
	BS 3837	SHD
	Product	STYRO 460
Physical Properties	Density	38-46 (kg/m ³)
	Compressive Resistance	303 (@ yield or 10 % deformation, which occurs first, min kPa)
	Thermal Resistance R-Value	0.73 (of 25.4 mm thickness @ mean temperature of 24 ± 1 °C)
	Thermal Conductivity K-Value	0.0348 (Max, W/m.K @ 35 °C and 60 % RH)
	Flexural Strength	442.3 (Min, kPa)
	Water Vapor Permeance	2.5 (of 25.4 mm thickness, max, perm)
	Water Absorption	0.9 (Total immersion, max, Volume %)
	Dimensional Stability	2.0 (Change in dimensions, max)
	Oxygen Index	24 (Min, volume %)
	Flame Spread Index	5 (Max, as per surface burning characteristics ASTM E84-UI 723)
	Smoke Developed	5 (Max, as per surface burning characteristics ASTM E84-UI 723)

