

TECHNICAL DATA SHEET

Standards	PRODUCT GROUP	EXPANDED POLYSTYRENE (EPS)							EXTRUDED POLYSTYRENE (XPS)		
	ASTM C 578 : 2018	TYPE XI	TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV	TYPE VI	TYPE VII	TYPE V
	OHANA	OE-FOAM 15	OE-FOAM 18	OE-FOAM 22	OE-FOAM 29	OE-FOAM 38	OE-FOAM 48	OE-FOAM 60	OX-FOAM 35	OX-FOAM 48	OX-FOAM 50
Physical Properties	Compressive Resistance (@ yield or 10 % deformation, which occurs first, min kPa)	35	69	90	104	173	276	414	276	414	690
	Thermal Resistance (of 25.4 mm thickness @ mean tempreature of 35°C min and 60% RH min ,K-m²/W)	0.53	0.6	0.64	0.67	0.71	0.71	0.73	0.84	0.84	0.84
	Thermal Conductivity (max, W/m.K @ 35 °C and 60 % RH)	0.0482	0.0419	0.0394	0.0377	0.0356	0.0356	0.0347	0.0303	0.0303	0.0303
	Flexural Strength (min, kPa)	70	173	208	240	345	414	517	414	517	690
	Water Vapor Permeance (of 25.4 mm thickness, max, perm)	5.0	5.0	3.5	3.5	2.5	2.5	2.5	1.1	1.1	1.1
	Water Absorption (total immersion, max, volume %)	4.0	4.0	3.0	3.0	2.0	2.0	2.0	0.30	0.30	0.30
	Dimensional Stability (change in dimensional, max %)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Oxygen Index (min, volume %)	24	24	24	24	24	24	24	24	24	24
	Density (min, Kg / m³)	12	15	18	22	29	38	48	29	35	48