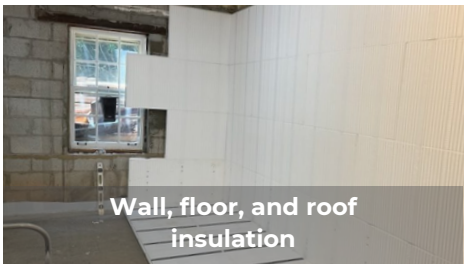




OHANA EPS TECHNICAL DATA SHEET



OHANAFOAM / OHANA EPS is a lightweight, rigid, closed-cell insulation material made from pre-expanded polystyrene beads. It offers excellent thermal insulation, is easy to handle, and is widely used in construction, insulation, packaging & industrial applications.



Wall, floor, and roof
insulation



EIFS system



HVAC insulation



Protective &
Insulative packaging



Construction &
Engineering



Art, décor, and
signage

STANDARDS	ASTM C 578: 2023	TYPE XI	TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV
		OE-FOAM 15	OE-FOAM 18	OE-FOAM 22	OE-FOAM 29	OE-FOAM 38	OE-FOAM 48	OE-FOAM 60
MIN. DENSITY (Kg/m ³)		12	15	18	22	29	38	48
Compressive Resistance (@ yield or 10 % deformation, which occurs first, min kPa)		35	60	90	104	173	276	414
Thermal Resistance R- Value (of 25.4 mm thickness @ mean temperature of 35 °C min and 60% RH min, K-m ² /W)		0.53	0.60	0.64	0.67	0.71	0.71	0.73
Thermal Conductivity K- Value (Max, W/m.K @ 35 °C and 60 % RH)		0.0482	0.0419	0.0394	0.0377	0.0356	0.0356	0.0347
Flexural Strength (Min,kPa)		70	173	208	240	345	414	517
Water Vapor Permeance (of 25.4 mm thickness, max, perm)		5.0	5.0	3.5	3.5	2.5	2.5	2.5
Water Absorption (Total immersion, max, Volume %)		4.0	4.0	3.0	3.0	2.0	2.0	2.0
Dimensional Stability (Change in dimensional, max %)		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

FEATURES & BENEFITS



**LIGHTWEIGHT AND
EASY TO CUT/HANDLE**



**GOOD THERMAL
INSULATION**



100% RECYCLABLE



**HIGH COMPRESSIVE
STRENGTH**



COST-EFFECTIVE



VERSATILE

Light. Strong. Smart.— Engineered by OHANA

JOIN COMMUNITY



UPDATES • INSIGHTS

EXPLORE MORE



OHANA EPS DETAILS

Disclaimer:

All technical data stated in this TDS are based on laboratory tests and real-life applications to the best of our knowledge. It is the responsibility of the user to determine the suitability of this product for a specific application. However, our experts will support you in choosing the best material for your specific application. OHANA Industries LLC also reserves the right to make changes without prior notice.