



CREATIVE PANEL SOLUTIONS

TYPICAL PHYSICAL PROPERTIES OF R-FOAM INTERIOR WALL EPS		
PROPERTY	TYPE I	TYPE II
Nominal Density (pcf)	1.0	1.5
C-Value (Conductance) BTU/(hr ft ² °F) (per inch)		
@25°F	.23	0.210
@40°F	.24	0.220
@75°F	.26	0.240
R-Value (Thermal Resistance) (hr ft ² °F)/BTU (per inch)		
@25°F	4.35	4.76
@40°F	4.17	4.55
@75°F	3.85	4.17
Compressive Strength (psi, 10% deformation)	13	15-21
Flexural Strength (psi)	33	35
Dimensional Stability (maximum %)	<2%	2%
Water Vapor Transmission (perms)	<1.0	3.5
Absorption (% vol.)	<1.0	3.0
Capillarity	none	none
Flame Spread	<20	<20
Smoke Developed	150-300	150-300

*Properties are based on data provided by resin manufacturers, independent test agencies.