



cellofoam®

HOLEY BOARD



The High Performance Substrate for Insulating Lightweight Roof Deck Assemblies

- *Easy to Handle and Apply*
- *Low Thermal Conductivity*
- *Slope to Drain Capability*
- *Adaptability On Curved Surfaces*
- *Inorganic*
- *Varied Thicknesses Allow Single Layer Application*

TYPICAL PHYSICAL PROPERTIES OF EPS INSULATION
Specification Reference: ASTM-C578

Property	Units	ASTM Test	Type I	Type VIII	Type II	Type IX	
Density (Maximum)	pcf		1.0	1.25	1.5	2.0	
Density (Minimum)	pcf	C303 or D1622	0.90	1.15	1.35	1.80	
Thermal Conductivity	at 40F	BTU/(hr.)	C177 or	0.24	0.235	0.22	0.21
K Factor	at 75F	(sq. ft.)(F/in.)	C518	0.26	0.255	0.24	0.23
Thermal Resistance	at 40F	per inch	-	4.17	4.25	4.55	4.76
Values (R)*	at 75F	thickness	-	3.85	3.92	4.17	4.35
Strength Properties							
Compressive 10% Deformation	psi	D1621	10-14	13-18	15-21	25-33	
Flexural	psi	C203	25-30	30-38	40-50	55-75	
Tensile	psi	D1623	16-20	17-21	18-22	23-27	
Shear	psi	D732	18-22	23-25	26-32	33-37	
Shear Modulus	psi	-	280-320	370-410	460-500	600-640	
Modulus of Elasticity	psi	-	180-220	250-310	320-360	460-500	
Moisture Resistance							
WVT	perm. in.	E96	2.0-5.0	1.5-3.5	1.0-3.5	0.6-2.0	
Absorption (vol.)	%	C272	less than 4.0	less than 3.0	less than 3.0	less than 2.0	
Capillarity	-	-	none	none	none	none	
Coefficient of Thermal Expansion	in./(in.)(F)	D696	0.000035	0.000035	0.000035	0.000035	
Maximum Service Temperature	° F	-					
Long Term			167	167	167	167	
Intermittent			180	180	180	180	
Oxygen Index	Minimum %	D2863	24.0	24.0	24.0	24.0	

* 'R' means resistance to heat flow. The higher the 'R' value, the greater the insulating power.

UL Listed, FM Approved
ICC ESR-1820, BOCA, ICBO, SBCCI Code Recognized
No CFC, HCFC or Formaldehyde



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WARNING: This product is combustible and if exposed to a fire of sufficient heat and intensity may burn rapidly. It should not be left exposed or inadequately protected. Consult specific instructions for use accompanying this product.

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