

SPECIFICATIONS SHEET

Properties	Testing Meth	Unit	INTEDUR 1	INTEDUR 2	INTEFOAM	INTECLEAR
Specific Gravity	ASTM D792	-	1.42	1.33	0.75	1.37
Water Absorption	ASTM D570	%	0.06	0.06	0.4	0.06
Shore Hardness (D scale)	ASTM D2240	-	90	95	50-60	95
Dimensional Volume Resistance	ASTM D257	ohm/cm	2.5X10 ¹⁶	N/A	3-5X10 ¹⁶	3-5X10 ¹⁶
Mechanical Properties						
Tensile Strength	ASTM D638	psi	7,400	N/A	2,500	7,820
Tensile Modulus	ASTM D638	psi	502,000	345,000	120,000	497,800
Yield Strength	ASTM D638	psi	7,000	6,100	2,500	7,000
Elongation	ASTM D638	%	150	145	15-40	150
Flexural Modulus	ASTM D790	psi	515,000	352,000	156,000	518,000
Flexural Strength	ASTM D790	psi	13,900	10,600	4,400	14,000
IZOD Impact Strength	ASTM D256	ld ft/in ² of notch	1.60	5.0	0.60	N/A
Thermal Properties						
Deflection Temp. Under Load	ASTM D648	°F	Over 158	Over 140	160-165	120
Coef. of Linear Expansion	ASTM D696	in/in/°F	3.2X10 ⁻⁵	3.0X10 ⁻⁵	3.3-4.2X10 ⁻⁵	3.0X10 ⁻⁵
	ASTM C177	k. cal./m. hr. °C	N/A	N/A	0.07	N/A
Thermo Conductivity						
Flammability						
Flammability	ASTM D635	-	self-extinguish	self-extinguish	Self-extinguish	Self-extinguish
Flammability	UL 94	-	V-0	V-0	V-0	V-0
Flammability	ASTM CE84	-	N/A	N/A	Class A**	N/A
Chemical						
Resistance	ASTM D17845	-	Class B	Class D	N/A	N/A
Electrical						
Dielectric Strength	ASTM D149	volt./mil	1,100	1,100	280	1,100
Dielectric Constant	ASTM D150	-	4	4	N/A	4
Optical						
Transmiser	*	-	N/A	N/A	N/A	<5% HAZE

*Sample placed in 60°C water for 30 min.

**Class A: Flame spray index. 15; smoke developed value 360... Note: Testing value on this list for reference only.