

	Structural Foam		Polyurethane Solid RIM	Polyurethane Elastomeric RIM		
	Baydur 726		PRISM	XGT-80	XGT-100	XGT-140
Typical Properties	Density 40 pcf	Density 55 pcf	Unfilled	Unfilled	Unfilled	Unfilled
General						
Specific Gravity	0.64	0.88	1.09	1.04	1.04	1.04
Density	40	55	68	64.9	64.9	64.9
Thickness	0.250	0.250	0.125	0.125	0.125	0.125
Shore Hardness	66 D	81 D	75 D	65 D	69 D	71 D
Mold Shrinkage	0.7-0.9	0.7-0.9	0.7-0.9	0.85	0.85	0.85
Mechanical						
Tensile Strength, Ultimate	3,100	4,800	7,000	3,700		
Elongation at Break	8	8	9	150		
Flexural Modulus	160,000	240,000	290,000			
149°F				33,000	45,000	50,000
73°F				83,000	100,000	140,000
-22°F				180,000	220,000	260,000
Flexural Strength	5,600	9,000	11,000			
Tear Strength				630	670	700
Compression Strength	4,000	6,000				
Impact Strength						
Charpy Impact	8	15				
Notched Izod				12	7	4.5
Unnotched			8			
Thermal						
Deflection Temperature Under Load:						
264 psi						
66 psi	181	212	221			
Heat Sag:						
6-in Overhang, 1 hr at 250°F						
4-in Overhang, 1 hr at 250°			0.16	0.59	0.59	0.59
Coefficient of Linear Thermal Expansion	44 E-06	50 E-06	56 E-06	61 E-06	61 E-06	61 E-06
Relative Temperature Index:						
0.125-in Thickness:						
Electrical			90			
Mechanical with impact			80			
Mechanical without impact			90			
Flammability						
UL94 Flame Class:						
0.125-in (3.18-mm) Thickness			V-0/5VA			
0.250-in (6.35-mm) Thickness	V-0/5VA	V-0/5VA				
Electrical						
Volume Resistivity	2.9 E+14	2.9 E+14	5.2 E+14			
Surface Resistivity	1.0 E=15	1.0 E=15	7.9 E+14			
Dielectric Strength	320	320	485			
Dielectric Constant (Tinfoil Electrodes): 1 MHz	2.69	2.69	3.07			

The information provided as general information only. They are approximate values and are not part of the product specifications.