

## Urethane Selection Guide

Properties	Test Method	Rigid ABS-Like	Semi Rigid	Clear or Tinted	Flame Retardant
Shore Hardness Range *	ASTM D-2240	75-90 D	40-70 D	55-82 D	78 - 87 D
Color	Visual	White, Black or Amber	Amber	Clear	Clear / Amber
Elongation at Break %	ASTM D-638	38 - 2	550 - 480	205 - 8	3.8 - 2.0
Tensile Strength psi	ASTM D-638	4,250 - 11,700	2,200 - 5,000	2,780 - 7,000	4,800 - 11,700
Modulus of Elasticity psi (000)	ASTM D-638	290-365	-	140-240	280 - 364
Izod Impact ft.lbs/inch Notched	ASTM D-256	.031 - 1.50	8.8	8.6 - 1.1	0.52 -0.31
Heat Distortion Temperature	ASTM D-648	165 °F - 185 °F	140 °F - 165 °F	120 °F - 140 °F	195 °F - 284 °F
Flexural Strength, psi	ASTM D-790	5,600 - 14,500	970 - 2070	290 - 10,000	9,300 - 9,100
Flexural Modulus, psi (000)	ASTM D-790	165 - 347	25 - 54	180 - 240	280 - 402
UL Flame Retardant Rating	-	-	-	-	94V-O

\* The values shown represent a sampling of the materials available. Please call us to discuss your application.

**Accelerating Time-to-Market**

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