



Meldin® 6001 Polyimide Technical Specifications

Specific Gravity, 73°F	1.33	
Tensile Strength @ Yield, 73°F	>17,000	psi
Tensile Modulus of Elasticity, 73°F	300,000	psi
Tensile Elongation (at break), 73°F	9	%
Flexural Strength, 73°F	24,000	psi
Deformation Under Load	0.10 @ 2,000 PSI	%
Hardness, Durometer (Shore "D" scale)	>90	
Izod Impact, Notched @ 73°F	0.6	ft.lbs./in. of notch
Coefficient of Linear Thermal Expansion	2.8	in/in/ °F x 10 ⁻⁵
Heat Deflection Temperature 264 psi	580	°F
Embrittlement Temperature	-400	°F Min.
Continuous Service Temperature in Air	500	°F Max.
Dielectric Constant, 10 ⁶ Hz	3.43	
Flammability @ 3.1mm (1/8 in.) UL 94	V-0	
Water Absorption, Immersion 24 Hours	0.62	%
Machinability Rating	7	1 = easy, 10 = difficult

Call Professional Plastics at **(888) 995-7767** or
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