

Product Information

Product Characteristics

- Unreinforced PA6
- Easy Processing and Superior Finish
- Injection Molding

Properties	Test Method	Unit	Typical Values
Physical Properties¹			
Water Absorption (24 hr water @ 23 °C)	ASTM D 570	%	1.7
Specific Gravity	ASTM D 792	-	1.14
Mold Shrinkage	DSC Internal	%	0.9-1.3
Mechanical Properties¹			
Tensile Strength	ASTM D 638	psi	12,090
Elongation	ASTM D 638	%	30
Flexural Strength	ASTM D 790	psi	17,068
Flexural Modulus	ASTM D 790	psi	426,693
Izod Impact Strength (Notched)	ASTM D 256	ft-lbs/in	0.92
Rockwell Hardness	D 786	R-Scale	120
Thermal Properties¹			
Melting Point	DSC Internal	°F	428
HDT (66 psi)	ASTM D 648	°F	365
HDT (264 psi)	ASTM D 648	°F	149
Flammability	UL 94	-	HB
Electrical Properties¹			
Volume Resistivity	ASTM D 257	Ω-mm	10 ¹³⁻¹⁵
Dielectric Strength	ASTM D 149	kV/mm	19
Dielectric Constant	ASTM D 150	-	3
ARC resistance	ASTM D 495	Sec	195

¹ Typical Properties; not to be construed as specifications. The data is intended as a general guideline only and does not necessarily represent the results that may be obtained otherwise.