



Grade: PA6-0050G Natural

Molding Grade PA 6 w/ 50% glass reinforcement

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.45	D792
Mechanical		
Tensile Strength @ Yield	28,000 psi	D638
Flexural Modulus	2,000,000 psi	D790
Flexural Strength @ Yield	35,000 psi	D790
Elongation @ Break	3.0 %	
Impact		
Izod Impact (73 °F, 0.125 in)	22.0 ft-lb/in	D256
Thermal		
DTUL @ 264 psi-unannealed (0.125 in)	405 °F	D648
Melting Temperature	400 °F	D3418

Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	2-6 hrs at 176-185°F
Suggested Max Moisture	<0.20%
Rear Temperature	428 – 464 °F
Middle Temperature	464 – 491 °F
Front Temperature	464 – 500 °F
Nozzle Temperature	464 – 491 °F
Processing (Melt) Temperature	440 – 530 °F
Mold Temperature	150 – 220 °F