



Grade: PA66-0050G NATURAL

Molding Grade PA 66 w/ 50% glass reinforcement

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.55	D792
Mechanical		
Tensile Strength @ Yield	32,000 psi	D638
Flexural Modulus	2,250,000 psi	D790
Flexural Strength @ Yield	40,000 psi	D790
Elongation @ Break	2.5 %	
Impact		
Izod Impact (73 °F, 0.125 in)	22.0 ft-lb/in	D256
Thermal		
DTUL @ 264 psi-unannealed (0.125 in)	495 °F	D648
Melting Temperature	500 °F	D3418

Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	2-6 hrs at 176-212°F
Suggested Max Moisture	<0.20%
Rear Temperature	482 – 536 °F
Middle Temperature	527 – 554 °F
Front Temperature	527 – 554 °F
Nozzle Temperature	527 – 563 °F
Processing (Melt) Temperature	500 – 580 °F
Mold Temperature	150 – 220 °F