



GRADE: RE-NY6-1000N

Molding Grade PA 6 w/ 100% Pre-consumer Validated Recycled Content Materials

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.23	D792
Mechanical		
Tensile Strength	13,500 psi	D638
Flexural Modulus	720,000 psi	D790
Flexural Strength @ Yield	18,000 psi	D790
Elongation @ Break	2.5 %	D638
Impact		
Izod Impact (73 °F, 0.125)	9.0 ft-lb/in	D256
Thermal		
Melting Temperature	424 °F	D3418
Heat Deflection Temp @ 264 psi	400 °F	D638

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 – 250 °F