

GRADE: RE-NY6-0243G BLACK

Molding Grade PA 6 w/ 43% glass reinforcement & 50% Pre-consumer Validated Recycled Content Materials

Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.47	D792
Mechanical		
Tensile Strength	27,000 psi	D638
Flexural Modulus	1,750,000 psi	D790
Flexural Strength @ Yield	38,000 psi	D790
Elongation @ Break	3.0 %	D638
Impact		
Izod Impact (73 °F, 0.125)	22.0 ft-lb/in	D256
Thermal		
Melting Temperature	424 °F	D3418
Heat Deflection Temp @ 264 psi	412 °F	D638

The information provided above is based upon typical values and are intended only as guide. Star Plastics, LLC assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. *No guarantees or warranties are expressed or implied.*

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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

The conditions listed above are only guidelines. You may want to adjust conditions to meet your requirements.