

Nylene® 52GB50

 Polymeric Resources Corporation (PRC) - *Polyamide 6*
General Information
Product Description

50% Glass Bead Reinforced, Nylon 6

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Bead, 50% Filler by Weight
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.54		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	11000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	750000	psi	ASTM D790
Flexural Strength	19400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.81	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	370	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	165	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.12 in)	HB		UL 94

Notes
¹ Typical properties: these are not to be construed as specifications.
