

PRL NY66-G20**Polymer Resources Ltd. - Polyamide 66**Units **Action****Legend (Open)****General Information****General**

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> North America 		
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 20% Filler by Weight 		
Additive	<ul style="list-style-type: none"> Lubricant 		
Features	<ul style="list-style-type: none"> High Heat Resistance Lubricated 		
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant 		
Forms	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Injection Molding 		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3 to 5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 0.125 in)	21000	psi	ASTM D638
Tensile Strength (Break, 0.125 in)	21000	psi	ASTM D638
Flexural Modulus (0.125 in)	1.10E+6	psi	ASTM D790
Flexural Strength (0.125 in)	33000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	495	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	475	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	165 to 185	°F
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum		8.0 hr
Rear Temperature	520 to 540	°F
Middle Temperature	530 to 550	°F
Front Temperature	560 to 580	°F
Processing (Melt) Temp	550 to 570	°F
Mold Temperature	150 to 220	°F

Notes

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

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