

PRL NY66-IM2G33**Polymer Resources Ltd. - Polyamide 66**Units **Action****Legend (Open)****General Information****General**

Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight		
Additive	• Impact Modifier	• Lubricant	
Features	• High Heat Resistance	• Lubricated	• Medium Impact Resistance
RoHS Compliance	• Impact Modified		
Forms	• RoHS Compliant		
Processing Method	• Pellets		
	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		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)	20500	psi	ASTM D638
Tensile Strength (Break, 0.125 in)	20500	psi	ASTM D638
Flexural Modulus (0.125 in)	1.00E+6	psi	ASTM D790
Flexural Strength (Break, 0.125 in)	29600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	3.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	500	°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	560 to 580	°F
Middle Temperature	530 to 550	°F
Front Temperature	520 to 540	°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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