

PRL NY66-IM1**Polymer Resources Ltd. - Polyamide 66**Units English **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 		
Additive	Impact Modifier	Lubricant	
Features	Impact Modified	Lubricated	• Medium Impact Resistance
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		

ASTM & ISO Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.09		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.014 to 0.020	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield, 0.125 in)	9000	psi	ASTM D638
Tensile Strength (Break, 0.125 in)	8700	psi	ASTM D638
Flexural Modulus (0.125 in)	280000	psi	ASTM D790
Flexural Strength (0.125 in)	12000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	3.0	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	440	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	165	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	165 to 185	°F
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Rear Temperature	510 to 530	°F
Middle Temperature	520 to 540	°F
Front Temperature	530 to 550	°F
Processing (Melt) Temp	530 to 560	°F
Mold Temperature	150 to 200	°F

Notes

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

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