

**PRL NY6-M25G15- (color)H**

Polymer Resources Ltd. - Polyamide 6

Units **Action****Legend (Open)****General Information****General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>	
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>	
Filler / Reinforcement	<ul style="list-style-type: none"> <li>Glass Fiber, 15% Filler by Weight</li> </ul>	<ul style="list-style-type: none"> <li>Mineral, 25% Filler by Weight</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Heat Stabilizer</li> </ul>	<ul style="list-style-type: none"> <li>Lubricant</li> </ul>
Features	<ul style="list-style-type: none"> <li>Heat Stabilized</li> </ul>	<ul style="list-style-type: none"> <li>Lubricated</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>	
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>	
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>	

**ASTM & ISO Properties <sup>1</sup>**

	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Physical			
Density / Specific Gravity	1.48		ASTM D792
Molding Shrinkage - Flow (0.125 in)	4.0E-3 to 9.0E-3	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield, 0.125 in)	19000	psi	ASTM D638
Tensile Strength (Break, 0.125 in)	19000	psi	ASTM D638
Flexural Modulus (0.125 in)	1.00E+6	psi	ASTM D790
Flexural Strength (0.125 in)	26000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.0	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)	400	°F	ASTM D648

**Processing Information**

	<b>Nominal Value</b>	<b>Unit</b>
Injection		
Drying Temperature	165 to 185	°F
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Rear Temperature	450 to 480	°F
Middle Temperature	470 to 500	°F
Front Temperature	480 to 515	°F
Processing (Melt) Temp	550 to 580	°F
Mold Temperature	180 to 220	°F

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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