

**PRL NY6-IM1**

PA6

Polymer Resources, Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.018</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>62.1</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>62.1</b>	MPa	ASTM D 638
Flexural Modulus	<b>2068</b>	MPa	ASTM D 790
Flexural Strength	<b>75.8</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>160</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>168</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>62.8</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1090</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>73.9 - 85</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>238 - 268</b>	°C	-
Mold temperature	<b>65.6 - 82.2</b>	°C	-
Zone 1	<b>221 - 246</b>	°C	-
Zone 2	<b>238 - 254</b>	°C	-
Zone 3	<b>243 - 260</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Pellets

**Regional Availability**

North America