

**PRL NY66-IM-G40**

PA66-GF40

Polymer Resources, Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>131</b>	MPa	ASTM D 638
Elongation at Break	<b>3</b>	%	ASTM D 638
Flexural Modulus	<b>9308</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>187</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	<b>32.4</b>	E-6/K	ASTM D 696
DTUL @ 264 psi	<b>246</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.5</b>	%	ASTM D 570
Density	<b>1400</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>73.9 - 85</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>288 - 299</b>	°C	-
Mold temperature	<b>65.6 - 104</b>	°C	-
Zone 1	<b>271 - 282</b>	°C	-
Zone 2	<b>277 - 288</b>	°C	-
Zone 3	<b>293 - 304</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Pellets

**Regional Availability**

North America

**Additives**

Lubricants