

PRL NY6-IM1-(color)H

PA6

Polymer Resources, Ltd.

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

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Lubricants

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America