

PRL NY66-IM1

PA66

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.017	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Flexural Modulus	1931	MPa	ASTM D 790
Flexural Strength	82.7	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	227	°C	ASTM D 648
DTUL @ 264 psi	73.9	°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	277 - 293	°C	-
Mold temperature	65.6 - 93.3	°C	-
Zone 1	266 - 277	°C	-
Zone 2	271 - 282	°C	-
Zone 3	277 - 288	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Pellets

Regional Availability

North America

Additives

Lubricants