

PRL NY6-G33

PA6-GF33

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	193	MPa	ASTM D 638
Tensile Strength at Break	193	MPa	ASTM D 638
Flexural Modulus	8963	MPa	ASTM D 790
Flexural Strength	290	MPa	ASTM D 790
Izod Impact notched, 1/8 in	117	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	218	°C	ASTM D 648
DTUL @ 264 psi	210	°C	ASTM D 648
Other properties			
Density	1380	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	249 - 268	°C	-
Mold temperature	65.6 - 104	°C	-
Zone 1	249 - 268	°C	-
Zone 2	243 - 260	°C	-
Zone 3	249 - 268	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America

Additives

Lubricants