

PRL NY6-G43-(color)H

PA6-GF43

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	221	MPa	ASTM D 638
Tensile Strength at Break	221	MPa	ASTM D 638
Flexural Modulus	11720	MPa	ASTM D 790
Flexural Strength	290	MPa	ASTM D 790
Izod Impact notched, 1/8 in	149	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	238	°C	ASTM D 648
DTUL @ 264 psi	221	°C	ASTM D 648
Other properties			
Density	1490	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	82.2 - 104	°C	-
Zone 1	232 - 249	°C	-
Zone 2	243 - 260	°C	-
Zone 3	249 - 268	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America