

PRL NY66-G43

Polyamide 66
Polymer Resources Ltd.

Message:

PRL NY66-G43 is a Polyamide 66 (Nylon 66) product filled with 43% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant
Heat Resistant
Lubricated

| General Information | | | |
|-----------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,43% Filler by Weight | | |
| Additive | Lubricant | | |
| Features | High Heat Resistance | | |
| | Lubricated | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.50 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.20 to 0.40 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield, 3.18 mm | 200 | MPa | |
| Break, 3.18 mm | 200 | MPa | |
| Flexural Modulus (3.18 mm) | 11000 | MPa | ASTM D790 |
| Flexural Strength (3.18 mm) | 276 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 120 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed, 3.18 mm | 260 | °C | |
| 1.8 MPa, Unannealed, 3.18 mm | 252 | °C | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 73.9 to 85.0 | °C | |
| Drying Time | 3.0 to 4.0 | hr | |
| Drying Time, Maximum | 8.0 | hr | |
| Rear Temperature | 271 to 282 | °C | |
| Middle Temperature | 277 to 288 | °C | |
| Front Temperature | 293 to 304 | °C | |

| | | |
|------------------------|-------------|----|
| Processing (Melt) Temp | 288 to 299 | °C |
| Mold Temperature | 65.6 to 104 | °C |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

