

NYLENE® 5125 HS

PA66-GF25

Polymeric Resources Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.04 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 128 | MPa | ISO 527 |
| Flexural modulus, 23°C | 6040 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 79 | kJ/m ² | ISO 179/1eU |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 255 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 231 | °C | ISO 75-1/-2 |
| Other properties | | | |
| Density | 1320 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 65 - 82 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.2 | % | - |
| Melt temperature | 287 - 316 | °C | - |
| Mold temperature | 49 - 93 | °C | - |
| Zone 1 | 260 - 293 | °C | - |
| Zone 2 | 277 - 299 | °C | - |
| Zone 3 | 282 - 310 | °C | - |
| Nozzle temperature | 279 - 307 | °C | - |
| Injection pressure | 5 - 15 | MPa | - |
| Back pressure | 0 - 50 | MPa | - |
| Holding pressure | 4 - 12 | MPa | - |
| Maximum residence time | 6 | min | - |

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Oil Resistance

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

North America