

EverGlide® 1908

Polyamide 6

Polymer Dynamix

Message:

EverGlide™ 1908 is reactively modified nylon 6 resin designed for extrusion and injection molding applications. The EverGlide™ 1908 resin is highly lubricious and abrasion resistant and does not make use of additives or particulate modifiers which may be prone to being wiped off the surface, or pulled out of the resin. The unique chemistry and modification in the EverGlide™ 1908 allows for a material that has a surface that will self-heal in cases of extreme abrasion, marring or scratches.

Features:

Fast Cycling

Lower Surface COF

Best in class Mar and Abrasion Resistance

Increased Hydrophobicity

Self Healing surface parts appear defect free

Print and paintability similar to PA 6

Good adhesion to PVC

Applications:

Films

Automotives

Wire and Cable (easy to install wire)

Electronics

Housings

Packaging

Military

| General Information | | | |
|---------------------|------------------------------------|-------------------|-------------|
| Features | Sprayable | | |
| | Good wear resistance | | |
| | Good adhesion | | |
| | Self-repair | | |
| Uses | Films | | |
| | Electrical/Electronic Applications | | |
| | Military application | | |
| | Application in Automobile Field | | |
| Agency Ratings | FDA not rated | | |
| Processing Method | Extrusion | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 51.0 | MPa | ASTM D638 |
| Fracture | 37.9 | MPa | ASTM D638 |

| | | | |
|-------------------------------------|---------------|--------------------|-------------|
| Tensile Elongation | | | ASTM D638 |
| Yield | 8.0 | % | ASTM D638 |
| Fracture | 40 - 50 | % | ASTM D638 |
| Flexural Modulus | 1520 | MPa | ASTM D790 |
| Flexural Strength | 56.5 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 64 | J/m | ASTM D256 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 - 87.8 | °C | |
| Drying Time | 2.0 - 4.0 | hr | |
| Suggested Max Moisture | 0.12 | % | |
| Rear Temperature | 232 - 260 | °C | |
| Middle Temperature | 238 - 266 | °C | |
| Front Temperature | 243 - 271 | °C | |
| Nozzle Temperature | 249 - 277 | °C | |
| Processing (Melt) Temp | 249 - 277 | °C | |
| Mold Temperature | 65.6 - 93.3 | °C | |
| Injection Pressure | 34.5 - 138 | MPa | |
| Injection Rate | Moderate | | |
| Screw Speed | 40 - 70 | rpm | |
| Clamp Tonnage | 4.1 - 6.9 | kN/cm ² | |
| Extrusion | Nominal Value | Unit | |
| Drying Temperature | 82.2 - 87.8 | °C | |
| Drying Time | 2.0 - 4.0 | hr | |
| Cylinder Zone 1 Temp. | 232 - 260 | °C | |
| Cylinder Zone 3 Temp. | 238 - 266 | °C | |
| Cylinder Zone 5 Temp. | 243 - 271 | °C | |
| Melt Temperature | 249 - 277 | °C | |
| Die Temperature | 249 - 277 | °C | |
| Extrusion instructions | | | |

Suggested Max Moisture: .12%

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