

Polyfort PP 1407H-01

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP High Impact Unfilled

General

- | | |
|-------------------|--------------------------|
| Features | • High Impact Resistance |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 0.912 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 2900 | psi | ASTM D638 |
| Tensile Elongation ² (Break) | 2300 | % | ASTM D638 |
| Flexural Modulus ³ | 145000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 13 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 167 | °F | ASTM D648 |
| Deflection Temperature Under Load 264 psi, Unannealed | 113 | °F | ASTM D648 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 176 | °F |
| Drying Time | 2.0 to 3.0 | hr |
| Processing (Melt) Temp | 428 to 500 | °F |
| Mold Temperature | 86 to 140 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min