

Polyfort PP 1329HU-31 BLACK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort PP 1329HU is a high flow UV stabilized, medium impact copolymer polypropylene. It is suitable for applications which require a material with the following properties:

General

| | |
|-------------------|---|
| Features | • Medium Impact Resistance |
| Appearance | • Colors Available • Natural Color |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 0.903 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 16 to 20 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 3630 | psi | ASTM D638 |
| Tensile Elongation (Break) | 130 | % | ASTM D638 |
| Flexural Modulus - Tangent ² | 162000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 2.2 | ft-lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 83 | | ASTM D785 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 176 | °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 |
| Injection Rate | Moderate-Fast | |

Notes

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

² 0.051 in/min