

# Polyfort PP 1329HU-2456 OPL GYGRY

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 <sup>1</sup>

| 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 <sup>2</sup>                | 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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.051 in/min