

# Polyfort FPP4A30CCBKBLK

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Polyfort FPP4A30CCBKBLK is a Polypropylene, Unspecified Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

### General

|                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Additive               | • Impact Modifier                   |
| Features               | • Impact Modified                   |
| Forms                  | • Pellets                           |
| Processing Method      | • Injection Molding                 |

## Properties <sup>1</sup>

| Physical   | Nominal Value | Unit     | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity                             | 1.14          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 7.5           | g/10 min | ASTM D1238  |
| Mechanical   | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                               | 8910          | psi      | ASTM D638   |
| Flexural Modulus - Tangent                             | 650000        | psi      | ASTM D790   |
| Impact   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                    | 2.8           | ft-lb/in | ASTM D256   |
| Thermal  | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 315           | °F       | ASTM D648   |

## Processing Information

| Injection              | Nominal Value  | Unit |
|------------------------|----------------|------|
| Drying Temperature     | 180 to 219     | °F   |
| Drying Time            | 2.0 to 4.0     | hr   |
| Rear Temperature       | 390 to 469     | °F   |
| Middle Temperature     | 390 to 469     | °F   |
| Front Temperature      | 390 to 469     | °F   |
| Processing (Melt) Temp | 390 to 469     | °F   |
| Mold Temperature       | 61 to 151      | °F   |
| Injection Rate         | Moderate       |      |
| Back Pressure          | < 50.0         | psi  |
| Screw Speed            | 20 to 60       | rpm  |
| Cushion                | 0.250 to 0.500 | in   |