

# Polyfort FPP 3790-002 EXTRA WHITE

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

PP compound with 40% talc filler. Long term heat stabilized.

### General

|                        |                              |
|------------------------|------------------------------|
| Filler / Reinforcement | • Talc, 40% Filler by Weight |
| Processing Method      | • Injection Molding          |

## Properties <sup>1</sup>

| Physical   | Nominal Value | Unit                   | Test Method          |
|--|---------------|------------------------|----------------------|
| Density  | 1.25          | g/cm <sup>3</sup>      | ISO 1183             |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)              | 11            | cm <sup>3</sup> /10min | ISO 1133             |
| Mechanical   | Nominal Value | Unit                   | Test Method          |
| Tensile Modulus  | 653000        | psi                    | ISO 527-1            |
| Tensile Stress (Break)                                   | 3630          | psi                    | ISO 527-2            |
| Tensile Strain (Break)                                   | 3.8           | %                      | ISO 527-2            |
| Flexural Modulus   | 725000        | psi                    | ISO 178              |
| Flexural Stress (7.0% Strain)                            | 2900          | psi                    | ISO 178              |
| Impact   | Nominal Value | Unit                   | Test Method          |
| Charpy Notched Impact Strength                           |               |                        | ISO 179              |
| -22°F  | 0.81          | ft·lb/in <sup>2</sup>  |                      |
| 73°F   | 1.1           | ft·lb/in <sup>2</sup>  |                      |
| Charpy Unnotched Impact Strength                         |               |                        | ISO 179              |
| -22°F  | 4.8           | ft·lb/in <sup>2</sup>  |                      |
| 73°F   | 7.1           | ft·lb/in <sup>2</sup>  |                      |
| Thermal  | Nominal Value | Unit                   | Test Method          |
| Deflection Temperature Under Load (66 psi, Unannealed)   | 266           | °F                     | ISO 75-2/B           |
| Deflection Temperature Under Load<br>264 psi, Unannealed | 165           | °F                     | ISO 75-2/A           |
| Electrical   | Nominal Value | Unit                   | Test Method          |
| Surface Resistivity                                      | > 1.0E+15     | ohms                   | IEC 62631-3-2        |
| Volume Resistivity                                       | > 1.0E+13     | ohms·m                 | IEC 62631-3-1        |
| Flammability   | Nominal Value | Unit                   | Test Method          |
| Burning Rate (0.0787 in)                                 | 2.0           | in/min                 | ISO 3795             |
| Flammability Classification                              |               |                        | IEC 60695-11-10, -20 |
| 0.03 in  | HB            |                        |                      |
| 0.06 in  | HB            |                        |                      |

## 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 |      |