

Total PPH 3825 Polypropylene, Injection Molding Grade

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene, Molded](#)

Material Easy flow injection molding homopolymer

Notes: Easy Flow - FINA 3825 exhibits exceptionally easy flow characteristics.

FDA - FINA 3825 complies with all applicable FDA regulations for food contact applications.

Recommended Applications - FINA 3825 is recommended for large thin wall parts, caps, and closures.

Processing - FINA 3825 resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C)

Data provided by the manufacturer, Total Petrochemicals.

Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Vendors: [Click here to view all available suppliers for this material.](#)

Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

| Physical Properties | Metric | English | Comments |
|---|--------------|---------------------------|-------------|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D1505 |
| Melt Flow | 30 g/10 min | 30 g/10 min | ASTM D1238L |
| Mechanical Properties | Metric | English | Comments |
| Hardness, Rockwell R | 104 | 104 | ASTM D288A |
| Tensile Strength, Ultimate | 33.1 MPa | 4800 psi | ASTM D638 |
| Elongation at Break | 7.0 % | 7.0 % | ASTM D638 |
| Modulus of Elasticity | 1.45 GPa | 210 ksi | ASTM D638 |
| Flexural Modulus | 1.24 GPa | 180 ksi | ASTM D790 |
| Izod Impact, Notched | 0.214 J/cm | 0.401 ft-lb/in | ASTM D256A |
| Izod Impact, Unnotched | 8.55 J/cm | 16.0 ft-lb/in | ASTM D256A |
| Thermal Properties | Metric | English | Comments |
| Melting Point | 165 °C | 329 °F | DSC |
| Deflection Temperature at 0.46 MPa (66 psi) | 121 °C | 250 °F | ASTM D648 |
| Processing Properties | Metric | English | Comments |
| Melt Temperature | 200 - 232 °C | 392 - 450 °F | Injection |

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.