

Total PPH 3571 Polypropylene, Film Extrusion Grade

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Homopolymer film gradeLow Residuals - Fina 3571 utilizes the new Fina proprietary process technology to provide extremely low residuals for improved color stability and clarity.Slip/Antiblock - Fina 3571 is available with custom slip and antiblock packages.FDA - Fina 3571 complies with all applicable FDA regulations for food contact applications.Recommended Applications - Fina 3571 is recommended for use in non-oriented cast film processes for manufacture of packaging films.Processing - Fina 3571 resin processes on film extrusion equipment with typical melt temperatures of 450- 525°F (232-274°C)Data provided by the manufacturer, Total Petrochemicals.Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-3571-Polypropylene-Film-Extrusion-Grade.php

| Physical Properties | Metric | English | Comments |
|--------------------------|--|---|--|
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ASTM D1505 |
| Water Vapor Transmission | 11.0 g/m ² /day @Temperature 37.8 °C | 0.708 g/100 in ² /day @Temperature 100 °F | 90% RH; thickness not specified; ASTM E96 |
| Melt Flow | 9.0 g/10 min @Temperature 230 °C | 9.0 g/10 min @Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|----------------|------------|--------------------------------------|
| Tensile Strength, Ultimate | 55.2 MPa | 8010 psi | ASTM D882 |
| Film Elongation at Break, MD | 500 % | 500 % | Orientation not specified; ASTM D882 |
| Secant Modulus | 0.793 GPa | 115 ksi | ASTM D882 |
| Dart Drop | 0.780 g/micron | 19.8 g/mil | F₅₀; ASTM D 1709 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Melting Point | 163 °C | 325 °F | DSC |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------------|
| Haze | 2.0 % | 2.0 % | ASTM D1003 |
| Gloss | 80 % | 80 % | 45°; ASTM D2457 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------------|
| Melt Temperature | 232 - 274 °C | 450 - 525 °F | film extrusion |

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