

Total PPH 3276 Polypropylene, Oriented Film Extrusion Grade

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

Material Notes:

Homopolymer film grade Low Residuals – Fina 3276 utilizes the new Fina proprietary process technology to provide extremely low residuals for improved color stability and clarity. Slip/Antiblock – Fina 3276 is available with custom slip and antiblock packages. FDA – Fina 3276 complies with all application FDA regulations for food contact applications. Recommended Applications - Fina 3276 is recommended in orientation processes for manufacture of packaging tapes and films. Processing – Fina 3276 resin processes on oriented 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-3276-Polypropylene-Oriented-Film-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Water Vapor Transmission	4.70 g/m ² /day @Temperature 37.8 °C	0.303 g/100 in ² /day @Temperature 100 °F	90% RH; thickness not specified; ASTM E96
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 230 °C	1.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	152 MPa	22000 psi	
Film Elongation at Break, MD	150 %	150 %	ASTM D882
Film Elongation at Break, TD	50 %	50 %	ASTM D882
Secant Modulus, MD	2.41 GPa	350 ksi	ASTM D882
Secant Modulus, TD	4.14 GPa	600 ksi	ASTM D882

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

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Gloss	85 %	85 %	45°; ASTM D2457

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

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