

Total PPR 8473 Polypropylene, Film Extrusion Grade

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

Material Notes:

Random copolymer heat sealable film gradeColor/Clarity/Impact - FINA 8473 is a low melting, high ethylene random copolymer with improved color, optics and impact properties.Heat Sealable - The very low melting point of FINA 8473 makes it an excellent heat seal layer for oriented films.Slip/Antiblock - FINA 8473 is available with custom slip and antiblock packages.FDA - FINA 8473 complies with all applicable FDA regulations Title 21 CFR Section 177.1520(c) 3.1 and may be used under these provisions for food contact and packaging.Recommended Applications - FINA 8473 is recommended for use in non- oriented film processes for manufacture of packaging films that require improved optical and impact properties and as a heat seal layer for oriented filmsProcessing - FINA 8473 resin processes on film extrusion equipment with typical melt temperatures of 390- 450°F (199-232°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-PPR-8473-Polypropylene-Film-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Water Vapor Permeability	14.0 g mil/ (m ² day) @Temperature 37.8 °C	0.903 g mil/ (100 in ² day) @Temperature 100 °F	90% RH; ASTM E96
Density	0.895 g/cc	0.0323 lb/in ³	ASTM D1505
Melt Flow	4.6 g/10 min	4.6 g/10 min	Conditions not specified; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	Non-oriented film; ASTM D882
Secant Modulus	0.480 GPa	69.6 ksi	1% Secant Modulus; Non-oriented Film; ASTM D882
Dart Drop	9.40 g/micron	239 g/mil	F₅₀; ASTM D 1709
Seal Strength	>= 200 g/25 mm	>= 200 g/in	at 135°C, 15 psi pressure and 1 sec.
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	Non-oriented film; ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	DSC

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	Non-oriented film; ASTM D1003
Gloss	85 %	85 %	45°; Non-oriented film; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 232 °C	390 - 450 °F	film extrusion

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