

Total PPR 8650 Polypropylene, Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA 8650 is a low melting, high ethylene random copolymer with improved color, optics and impact properties. The low melting point of ATOFINA 8650 makes it an excellent heat seal layer for oriented films. ATOFINA 8650 complies with FDA regulations Title 21 CFR Section 177.1520(c) 3.1 and may be used under these provisions for food contact and packaging. Application ATOFINA 8650 is recommended for use in non-oriented film processes for manufacture of package films that require improved optical and impact properties and as a heat seal layer for oriented films. Information provided provided by 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-8650-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in ³	ASTM D1505
Moisture Vapor Transmission	0.394 cc-mm/m ² -24hr-atm	1.00 cc-mil/100 in ² -24hr-atm	ASTM E96
Melt Flow	11 g/10 min	11 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus	483 MPa	70000 psi	ASTM D882
Dart Drop	9.45 g/micron	240 g/mil	F50; ASTM D1709
Heat Seal Strength Initiation Temperature	124 °C	255 °F	Minimum seal strength is 200 g/in at 15 psi pressure and 1 sec.; ASTM D1709

Thermal Properties	Metric	English	Comments
Melting Point	134 °C	273 °F	DSC-2 Differential Scanning Calorimeter

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

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