

Total PPR Z9450 Random Copolymer Heat Sealable Grade

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Z9450 is a low melting, high ethylene random copolymer with improved color, optics and impact properties. The very low melting point of ATOFINA Z9450 makes it an excellent heat seal layer for oriented films. Z9450 complies with FDA regulations Title 21 CFR Section 177.150 (c) 3.1 and may be used under these provisions for food contact and packaging. Application ATOFINA Z9450 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 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-Z9450-Random-Copolymer-Heat-Sealable-Grade.php

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in ³	ASTM D1505
Moisture Vapor Transmission	0.472 cc-mm/m ² -24hr-atm	1.20 cc-mil/100 in ² -24hr-atm	ASTM E96
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	17.2 MPa	2500 psi	ASTM D882
1% Secant Modulus	345 MPa	50000 psi	ASTM D882
Dart Drop	10.6 g/micron	270 g/mil	F50; ASTM D1709
Heat Seal Strength Initiation Temperature	112 °C	234 °F	Minimum seal strength is 200 g/in at 15 psi pressure and 1 sec.; ASTM D1709

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	264 °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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