

Total PPR Z9421 Polypropylene, Random Copolymer, Heat Sealable Film Grade

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

Material Notes:

Color/Clarity/Impact. TOTAL Petrochemicals Polypropylene Z9421 is a low melting, high ethylene random copolymer with improved color, optics and impact properties. Heat Sealable. The very low melting point of Z9421 makes it an excellent heat seal layer for oriented films. FDA. Z9421 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. Z9421 is recommended for use in non-oriented film processes for manufacture of films that require improved optical and impact properties and as a heat seal layer for oriented films. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPR-Z9421-Polypropylene-Random-Copolymer-Heat-Sealable-Film-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D1505
Water Vapor Transmission	18.6 g/m ² /day @Temperature 37.8 °C	1.20 g/100 in ² /day @Temperature 100 °F	90% RH; ASTM F1249-90
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.7 MPa	3000 psi	non-oriented film; ASTM D882
Elongation at Break	350 %	350 %	ASTM D882
Dart Drop	3.54 g/micron	90.0 g/mil	ASTM D1709
Heat Seal Strength Initiation Temperature	105 °C	221 °F	

Thermal Properties	Metric	English	Comments
Melting Point	120 °C	248 °F	DSC

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

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 227 °C	379 - 441 °F	

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