

TOTAL Polypropylene PPR Z9421

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

TOTAL Petrochemicals Polypropylene Z9421 is a low melting, high ethylene random copolymer with improved color, optics and impact properties. The very low melting point of Z9421 makes it an excellent heat seal layer for oriented films. 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. Z9421 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.

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Impact Resistance		
	Heat Sealable		
	Opticals		
Uses	Film		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2003/11/EC		
	EU 76/769/EC		
	EU 94/62/EC		
	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	345	MPa	ASTM D882
Tensile Strength - MD (Break)	20.7	MPa	ASTM D882
Tensile Elongation - MD (Break)	350	%	ASTM D882
Dart Drop Impact	90	g	ASTM D1709
Seal Initiation Temperature	105	°C	
Water Vapor Transmission Rate (38°C, 90% RH)	19	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	

Melting Temperature	120	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457
Haze	2.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	380 to 400	°C	

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Recommended distributors for this material

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