

TOTAL Polypropylene PPR 7450HC

Polypropylene Random Copolymer

TOTAL Refining & Chemicals

Message:

Low catalyst residuals in TOTAL Polypropylene 7450HC result in improved color stability.

The random copolymer structure of TOTAL Polypropylene 7450HC improves its clarity and impact resistance over conventional homopolymer films.

The reduced melting point of TOTAL Polypropylene 7450HC makes it suitable as a heat seal layer for oriented films.

TOTAL Polypropylene 7450HC is formulated with a high level of antiblock additive for improved film handling.

TOTAL Polypropylene 7450HC complies with all applicable FDA regulations for food contact applications.

TOTAL Polypropylene 7450HC is recommended for use in either non-oriented cast film processes for manufacture of packaging films that require improved optical and impact properties or as a heat seal layer for oriented films.

General Information			
Additive	High caking resistance		
Features	High caking resistance		
	Impact resistance, good		
	Good color stability		
	Compliance of Food Exposure		
	Medium transparency		
Uses	Packaging		
	Films		
	cast film		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Exposure, Not Rated		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	552	MPa	ASTM D882
Tensile Strength - MD (Break)	27.6	MPa	ASTM D882
Tensile Elongation - MD (Break)	400	%	ASTM D882
Water Vapor Transmission	11	g/m ² /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	143	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457

Haze	3.0	%	ASTM D1003
Additional Information			
Dart Impact, ASTM D1709: 45 g/milHeat Seal Temperature: 132°CWater Vapor Transmission, ASTM E96, 100°F, 90% RH: 0.7 g/100in ² /day			
Extrusion	Nominal Value	Unit	
Melt Temperature	232 - 274	°C	

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