

TOTAL Polypropylene PPH 3270

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3270 utilizes the TOTAL Polypropylene proprietary process technology to provide extremely low residuals for improved color stability and clarity.

TOTAL Polypropylene 3270 is available with custom slip and antiblock packages.

TOTAL Polypropylene 3270 complies with all applicable FDA regulations for food contact use.

TOTAL Polypropylene 3270 is recommended in orientation processes for manufacture of packaging tapes and films that benefit from improved stiffness and barrier properties.

General Information			
Features	Crystallization		
	Low liquidity		
	Compliance of Food Exposure		
Uses	Films		
	Strap		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Exposure, Not Rated		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD: sheet cloth frame directional film	2900	MPa	ASTM D882
TD: sheet cloth frame directional film	4830	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture, sheet cloth frame directional membrane	193	MPa	ASTM D882
TD: Fracture, sheet cloth frame directional membrane	269	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, sheet cloth frame directional membrane	150	%	ASTM D882
TD: Fracture, sheet cloth frame directional membrane	60	%	ASTM D882

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	165	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°, Tenter-frame Oriented Film)	85		ASTM D2457
Haze (Tenter-frame Oriented Film)	1.0	%	ASTM D1003
Additional Information			
Water Vapor Transmission Rate, ASTM F1249, 100°F, 90% RH, Tenter-frame Oriented Film: 0.2 g/100in ² /day/mil			
Extrusion	Nominal Value	Unit	
Melt Temperature	232 - 274	°C	

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Recommended distributors for this material

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