

TOTAL Polypropylene PPH 3271

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3271 utilizes the new TOTAL Polypropylene proprietary process technology to provide extremely low residuals for improved color stability and clarity.

TOTAL Polypropylene 3271 is available with custom slip and antiblock packages.

TOTAL Polypropylene 3271 complies with all application FDA regulations for food contact applications.

TOTAL Polypropylene 3271 is recommended in orientation processes for manufacture of packaging tapes and films.

General Information			
Features	Good color stability		
	Definition, high		
	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	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD: sheet cloth frame directional film	2410	MPa	ASTM D882
TD: sheet cloth frame directional film	4140	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture, sheet cloth frame directional membrane	152	MPa	ASTM D882
TD: Fracture, sheet cloth frame directional membrane	241	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	163	°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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