

# TOTAL Polypropylene PPH 3371

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals Polypropylene 3371 utilizes the new Total Polypropylene proprietary process technology to provide extremely low residuals for improved color stability and clarity.

3371 is available with custom slip and antiblock packages.

3371 complies with all applicable FDA regulations and may be used under these provisions for food contact packaging.

3371 is recommended in orientation processes for manufacture of packaging tapes and films.

General Information			
Features	Compliance of Food Exposure		
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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8	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	131	MPa	ASTM D882
TD: Fracture, sheet cloth frame directional membrane	262	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, sheet cloth frame directional membrane	130	%	ASTM D882
TD: Fracture, sheet cloth frame directional membrane	50	%	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)	9		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: 0.3 g/100in <sup>2</sup> /day/mil			

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