

# TOTAL Polypropylene PPH 3274

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene 3274 utilizes proprietary technology to provide excellent processing performance in oriented films and tapes.  
FDA: 3274 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.  
Applications: 3274 is recommended in orientation processes for manufacture of packaging tapes and films.  
Processing: 3274 processes on oriented film extrusion equipment with typical melt temperatures of 450°F-525°F (232°C-274°C)

General Information			
Features	Excellent Processability		
	Homopolymer		
	Compliance of Food Exposure		
Uses	Films		
	Strap		
	Directional film		
Agency Ratings	FDA Food Exposure, Not Rated		
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)	1.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD (Tenter-frame Oriented Film)	2410	MPa	ASTM D882
Elastic Modulus - TD (Tenter-frame Oriented 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
Water Vapor Transmission Rate (38°C, 90% RH, 25 µm)	4.7	g/m <sup>2</sup> /24 hr	ASTM F1249
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

  

Extrusion	Nominal Value	Unit
Melt Temperature	232 - 274	°C

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#### Recommended distributors for this material

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