



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

## Polypropylene 3274

Technical Data Sheet  
Polypropylene – Homopolymer  
Produced in the United States

### Description

**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)

### Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	1.6
<b>Film Properties, Oriented<sup>(1)(3)</sup></b>			
Ultimate Tensile	D-882	psi MD (TD)	22,000 (35,000)
Elongation	D-882	% MD (TD)	150 (60)
Tensile Modulus	D-882	psi MD (TD)	350,000 (600,000)
Haze	D-1003	%	1.0
Gloss, 45°	D-2457	%	85
WVTR @ 100°F, 90% RH	F-1249-90	g/100 in <sup>2</sup> /24 hrs/mil	0.3
<b>Thermal Properties<sup>(1)(2)</sup></b>			
Melting Point	DSC	°F (°C)	325 (163)
<b>Other Physical Properties</b>			
Density	D-1505	g/cc	0.905

- (1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.  
(3) Tenter-frame oriented film

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TOTALENERGIES PETROCHEMICALS & REFINING USA, INC.  
POLYMERS AMERICAS  
1201 Louisiana Street  
Suite 1800  
Houston, TX 77002  
[www.polymers.totalenergies.com](http://www.polymers.totalenergies.com)

TECHNICAL CENTER  
P.O. Box 1200  
Deer Park, Texas 77536  
Phone: 281-884-7500

1-800-344-3462

Polypropylene