


TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 3272

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3272 utilizes proprietary technology to provide excellent processing performance in oriented films and tapes.

FDA: 3272 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.

Applications: 3272 is recommended in orientation processes for manufacture of packaging tapes and films.

Processing: 3272 processes on oriented film extrusion equipment with typical melt temperatures of 450°F-525°F (232°C-274°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	2.2
Film Properties, Oriented ⁽¹⁾⁽³⁾			
Haze	D-1003	%	1.0
Gloss, 45°	D-2457	%	85
Elongation	D-882	%	150 (60)
Ultimate Tensile	D-882	psi MD (TD)	22,000 (35,000)
Tensile Modulus	D-882	psi MD (TD)	350,000 (600,000)
WVTR @ 100°F, 90% RH	F-1249-90	g/100 in ² /24 hrs/mil	0.3
Thermal Properties ⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	325 (163)
Other Physical Properties			
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

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

1-800-344-3462

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.