Polypropylene 3270

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene 3270 utilizes proprietary process technology to provide extremely low residuals for exceptional stiffness and barrier properties.

FDA: 3270 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.

Applications: 3270 is recommended in orientation processes for manufacture of packaging tapes and films that benefit from improved stiffness and barrier properties.

Processing: 3270 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	2.0
Mechanical Properties			
Flexural Modulus	D-790	psi (MPa)	272,000 (1,880)
Tensile Strength @ Yield	D-638	psi (MPa)	5,200 (36)
Tensile Elongation @ Yield	D-638	%	5
Izod (73°F, Notched)	D-256A	ft-lb/in	0.7
Rockwell Hardness (R-Scale)	D-785		97
Thermal Properties(1)			
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	212 (100)
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.

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Polypropylene

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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.