TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 3962

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3962 is an ultra-high melt flow rate grade designed for melt blown applications.

FDA and Regulatory: 3962 complies with all applicable FDA regulations for food contact applications. 3962 is not intentionally manufactured to contain materials derived from genetically modified organisms (GMO) and is not intentionally formulated to contain or intentionally manufactured with phthalates.

Enhanced Productivity: 3962 produces fine denier melt blown fiber with low process temperatures and die pressures. 3962 exhibits low polymer degradation during processing and improved properties (higher tensile strength, better transport properties, and enhanced basis weight uniformity) in the non-woven web.

Applications: 3962 is recommended for melt blown fiber applications or other applications where low viscosity processing is desired. Due to its unique properties, other applications may exist.

Processing: 3962 resin processes on conventional extrusion equipment with typical melt temperatures of 500°F-600°F (260°C-315°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	1,300
Thermal Properties(1)~~(2)~~			
Melting Point	DSC(2)	°F (°C)	330 (165)
Other Physical Properties			
Density	D-1505	g/cc	0.905
Features			
Pelletized Form			
Tertiary butyl alcohol (TBA) free formulation			
Lower Smoke and Odor			

(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.

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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.