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Polypropylene 3962

TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3962 features extremely high purity for processing into melt blown micro-fibers.

Enhanced Productivity: 3962 produces fine denier melt blown micro-fiber with low process temperatures and die pressures. 3962 exhibits less 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.

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	°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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