Polypropylene M3661

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene M3661 is an isotactic form of homopolymer polypropylene made via TotalEnergies' proprietary catalyst technology.

FDA and Regulatory: M3661 complies with all applicable FDA regulations for food contact applications. M3661 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.

Applications: M3661 is recommended high strength fibers and spunbond nonwovens. However, due to its unique and interesting properties, other applications may exist.

Processing: M3661 is a lower crystallinity, narrower molecular weight distribution product than conventional polypropylene. Fibers produced from M3661 exhibit increased tenacity compared to standard materials.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	14
Thermal Properties(2)			
Melting Point	DSC(2)	˚F (˚C)	302 (150)
Other Physical Properties			
Density	D-1505	g/cc	0.9

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) Melting point determined with a Differential Scanning Calorimeter (DSC). 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.