

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

## Description

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

**FDA and Regulatory:** Lumicene® 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:** Lumicene® M3661 is recommended high strength fibers and spunbond nonwovens. However, due to its unique and interesting properties, other applications may exist.

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

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	14
<b>Thermal Properties<sup>(2)(3)</sup></b>			
Melting Point	DSC	°F (°C)	302 (150)
<b>Other Physical Properties</b>			
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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