



Lumicene® Polypropylene M3766

Technical Data Sheet
Metallocene Polypropylene – Homopolymer
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene Lumicene® M3766 is an isotactic form of propylene made via TotalEnergies proprietary technology in our polypropylene plant in La Porte, Texas.

FDA and Regulatory: Lumicene® M3766 complies with all applicable FDA regulations for food contact applications. Lumicene® M3766 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® M3766 is recommended for melt spun fiber, spunbond fiber, and extrusion coating applications. However, due to its unique and interesting properties, other applications may exist.

Processing: Lumicene® M3766 is a narrower molecular weight distribution product than conventional polypropylene. M3766 resin processes on conventional extrusion equipment with typical melt temperatures of 400°F-480°F (204°C-250°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	24
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	304 (151)
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) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

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