

TOTAL Polypropylene Lumicene® M 3661

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Petrochemicals Polypropylene M3661 is an isotactic form of homopolymer polypropylene made via TOTAL proprietary metallocene catalyst technology.

FDA. M3661 complies with FDA regulations Title 21 CFR Section 177.1520 (c) 3.1 and may be used under these provisions for food contact and packaging. Recommended Applications. M3661 is a medium molecular weight material recommended for cast film extrusion. 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. Cast films produced from M3661 exhibit outstanding optical properties and toughness compared to standard materials. Call the nearest TOTAL Petrochemicals Polypropylene Sales Office for additional information.

General Information			
Features	Medium Molecular Weight		
	Narrow Molecular Weight Distribution		
Uses	Food Packaging		
	Valves/Valve Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	14	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 50 µm	558	MPa	
1% Secant, TD : 50 µm	565	MPa	
Tensile Strength			ASTM D882
MD : Break, 50 µm	40.0	MPa	
TD : Break, 50 µm	37.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	720	%	
TD : Break, 50 µm	810	%	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	150	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	81		ASTM D2457
Haze (50.0 µm)	0.40	%	ASTM D1003

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Recommended distributors for this material

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