TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene M3661

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Good Clarity: M3661 has good contact/see-through clarity and is easily printed with silk screen or hot stamping techniques.

FDA: M3661 complies with all applicable FDA regulations and may be used under those provisions for food contact applications.

Recommended Applications: M3661 is for the injection molding of housewares, utility boxes and containers, as well as general purpose extrusion.

Processing: This resin processes on conventional injection molding equipment with typical melt temperatures of 390˚F-450˚F (200˚C-232˚C).

Characteristic

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition “L”	g/10 min	14
Mechanical Properties			
Tensile Strength @ Yield	D-638	psi (MPa)	4,900 (35)
Tensile Elongation @ Yield	D-638	%	6
Tensile Modulus	D-638	psi (MPa)	205,000 (1415)
Flexural Modulus	D-790	psi (MPa)	195,000 (1345)
Izod Impact Notched @ 73˚F	D-256	ft-lb/in (J/m)	0.4 (21)
Thermal Properties(1)			
Melting Point	DSC(2)	˚F (˚C)	306 (152)
Heat Deflection @ 66 psi @ 4.64 kg/cm^2	D-648	 ˚F °C	 220 104
Other Physical Properties			
Density	D-1505	g/cc	0.905

(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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Polypropylene

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