



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 3662

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3662 is formulated to resist gas fading while maintaining excellent processing stability.

Process Stability: 3662 features excellent processability and the good physical properties necessary for fibers and multifilaments.

FDA: 3662 complies with all applicable FDA regulations for food contact applications.

Recommended Applications: 3662 is recommended for staple fibers and bulk continuous filament (BCF) yarns.

Processing: 3662 resin processes on conventional extrusion equipment with typical melt temperatures of 400-500°F (204-260°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	10.2
Mechanical Properties			
Tensile Modulus	D-638	psi (MPa)	260,000 (1,790)
Flexural Modulus	D-790	psi (MPa)	240,000 (1,655)
Flexural Stiffness	D-790	psi (MPa)	190,000 (1,310)
Thermal Properties⁽¹⁾			
Melting Point	DSC ⁽²⁾	°F(°C)	330 (165)
Other Physical Properties			
Density	D-1505	g/cc	0.905
Fiber Properties, 1.5 dpf Multifilament ⁽¹⁾⁽³⁾			
Tenacity	D-3218	g/denier	3.5
Elongation	D-3218	%	70

- (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.
- (3) Samples processed at 450°F(232°C) extrusion temperature with 3:1 draw ratio.

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Polypropylene