



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 3860X

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3860X features extremely high purity for processing in micro denier fibers.

FDA: 3860X complies with all applicable FDA regulations for food contact applications.

Applications: 3860X is recommended for nonwoven fiber applications.

Processing: 3860X processes on conventional extrusion equipment with typical melt temperatures of 450°F-550°F (232°C-288°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	100
Mechanical Properties			
Tensile Modulus	D-638	psi (MPa)	240,000 (1,655)
Flexural Modulus	D-790	psi (MPa)	229,000 (1,580)
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	330 (165)
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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