Polypropylene 3860X

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

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)			
Melting Point	DSC(2)	°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.

Rev: Feb 2026

Polypropylene

TOTALENERGIES PETROCHEMICALS & REFINING USA, INC.
POLYMERS AMERICAS
1201 Louisiana Street
Suite 1800
Houston, TX 77002
www.polymers.totalenergies.com

TECHNICAL CENTER
P.O. Box 1200
Deer Park, Texas 77536
Phone: 281-884-7500

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.