



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 5571

Technical Data Sheet
Polypropylene – Impact Copolymer
Produced in the United States

Description

Polypropylene 5571 is a high impact copolymer with a melt flow of 7 g/10min

5571 is characterized by significantly improved impact resistance and good processability.

5571 has been developed specifically for cast film applications.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	ASTM D-1238	g/10 min	7
Mechanical Properties			
Tensile, Strength at Yield	ASTM D-638	psi (MPa)	3,400 (23)
Elongation at Yield	ASTM D-638	%	7
Flexural Modulus	ASTM D-790	psi (MPa)	170,000 (1,170)
Izod Impact (Notched)			
@ 23°C	ASTM D-256	ft.-lbs/in. (J/m)	3.5 (187)
@-20°C	ASTM D-256	ft.-lbs/in. (J/m)	1.4 (75)
Thermal Properties⁽¹⁾			
Melting Range	Total Method	°F (°C)	320-329 (160-165)
Heat Deflection	ASTM D-648	°F (°C)	194 (90)
Vicat Softening Point	D-1525	°F (°C)	298 (148)
Other Physical Properties			
Density	D-1505	g/cm ³	0.905

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

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Polypropylene

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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.