


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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