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	D-1238	g/10 min	7
Mechanical Properties			
Tensile Strength at Yield	D-638	psi (MPa)	3,400 (23)
Elongation at Yield	D-638	%	7
Flexural Modulus	D-790	psi (MPa)	170,000 (1,170)
Izod Impact (Notched) @ 23˚C @-20˚C	 D-256 D-256	 ft-lb/in (J/m) ft-lb/in (J/m)	 3.5 (187) 1.4 (75)
Thermal Properties(1)			
Melting Range	DSC(2)	°F (°C)	320-329 (160-165)
Heat Deflection	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.
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

Rev: Feb 2026

Polypropylene

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