

## Polypropylene 5571

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



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

#### 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
<b>Rheological Properties</b>			
Melt Flow	ASTM D-1238	g/10 min	7
<b>Mechanical Properties</b>			
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)
<b>Thermal Properties<sup>(1)</sup></b>			
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)
<b>Other Physical Properties</b>			
Density	D-1505	g/cm <sup>3</sup>	0.905

Polypropylene

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

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