



**TotalEnergies**

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# Polypropylene 4481WZ

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

## Description

**Polypropylene 4481WZ** is a nucleated impact copolymer with a Melt Flow of 4.0 g/10min

4481WZ is characterized by a good stiffness/impact balance coupled with high creep resistance. This grade has been developed for sheet extrusion and thermoforming applications requiring good mechanical properties and aesthetic appearance.

4481WZ has been specially formulated with an additive for excellent antistatic properties as well as good surface appearance and mold release.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	ASTM D-1238	g/10 min	4.0
<b>Mechanical Properties</b>			
Tensile, Strength at Yield	ASTM D-638	psi (MPa)	4,900 (34)
Elongation at Yield	ASTM D-638	%	7
Flexural Modulus	D-790	psi (MPa)	250,000 (1,725)
Izod (Notched) @ 23°C	ASTM D-256	ft.-lbs/in.	2.5 (135)
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Range	TOTAL Polypropylene Method	°F (°C)	320-329 (160-165)
Heat Deflection	ASTM D-648	°F (°C)	243 (117)
<b>Other Physical Properties</b>			
Density	ASTM D-1505	g/cm <sup>3</sup>	0.905

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

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