

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
Rheological Properties			
Melt Flow	ASTM D-1238	g/10 min	4.0
Mechanical Properties			
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 (1,770)
Izod (Notched) @ 23°C	ASTM D-256	ft.-lbs/in.	2.5 (135)
Thermal Properties⁽¹⁾			
Melting Range	TOTAL Polypropylene Method	°F (°C)	320-330 (160-165)
Heat Deflection	ASTM D-648	°F (°C)	243 (117)
Other Physical Properties			
Density	ASTM D-1505	g/cm ³	0.905

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