


TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 5720WZ

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

Description

Polypropylene 5720WZ is a nucleated impact copolymer with a Melt Flow of 20 g/10min.

5720WZ is characterized by good stiffness, creep resistance, very high impact resistance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

5720WZ has been developed specifically for the injection molding of crates, pails, and other heavy duty articles.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	20
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)	190,000 (1,310)
Izod Impact Notched @ 23°C	ASTM D-256	ft.-lbs/in. (J/m)	3.6 (192)
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)	302 (150)
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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