

Description

Polypropylene 5946WZ is a nucleated impact copolymer with a Melt Flow of 75 g/10min.

5946WZ is characterized by very low warpage, improved stiffness, and high impact resistance balance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

5946WZ complies with all applicable FDA regulations for food contact applications.

5946WZ has been developed specifically for the injection molding of thin-walled articles and compounding

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	75
Mechanical Properties			
Tensile Strength at Yield	D-638	psi (MPa)	3,700 (25)
Elongation at Yield	D-638	%	6
Flexural Modulus	D-790	psi (MPa)	180,000 (1,250)
Izod Impact Notched @ 23°C	D-256	ft.-lbs/in. (J/m)	1.4 (74)
Thermal Properties⁽¹⁾			
Melting Range	TOTAL Polypropylene Method	°C	160 - 165
Unannealed Heat Deflection	D-648	°F (°C)	230 (110)
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.

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TOTAL PETROCHEMICALS & REFINING USA, INC.
 POLYMERS AMERICAS
www.totalrefiningchemicals.com
 1201 Louisiana Street
 Suite 1800
 Houston, TX 77002

TECHNICAL CENTER
 P.O. Box 1200
 Deer Park, Texas 77536
 Phone: 281-884-7500

1-800-344-3462