

# TOTAL Polypropylene PPC 5946WZ

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Total Petrochemicals 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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Mold Release		
	Good Stiffness		
	High Impact Resistance		
	Impact Copolymer		
	Low Warpage		
	Nucleated		
Uses	Compounding		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Melting Temperature	160 to 165	°C	Internal Method

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#### Recommended distributors for this material

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