

TOTAL PETROCHEMICALS

Polypropylene 5946WZ

Polypropylene Impact Copolymer

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Technical Data

Product Description

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

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/cm³	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		ASTM D648
0.45 MPa, Unannealed	110 °C	
Melting Temperature	160 to 165 °C	Internal Method