

TOTAL PETROCHEMICALS

Polypropylene 5946WZ

Polypropylene Impact Copolymer
TOTAL PETROCHEMICALS

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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

Material Status	• Commercial: Active
Literature ¹	• Processing - Injection (English) • Technical Datasheet (English)
Search for UL Yellow Card	• TOTAL PETROCHEMICALS
Availability	• North America
Additive	• Antistatic • Nucleating Agent
Features	• Antistatic • Good Mold Release • Impact Copolymer • Fast Molding Cycle • Good Stiffness • Low Warpage • Food Contact Acceptable • High Impact Resistance • 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 ³	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

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

TOTAL PETROCHEMICALS

Houston, TX USA

Telephone: 713-483-5000

Web: <http://www.totalpetrochemicals.biz/>

Distributor

Amco Polymers

Telephone: 800-262-6685

Web: <http://www.amcopolymers.com/>

Availability: North America

M. Holland Canada Company

Telephone: 905-665-1168

Web: <http://www.mholland.com/>

Availability: Canada

M. Holland Company

Telephone: 855-497-1403

Web: <http://www.mholland.com/>

Availability: Mexico, United States

Resin Resource, Inc.

Telephone: 877-652-3431

Web: <http://www.resinresourceinc.com/>

Availability: North America