

TOTAL Polypropylene 4944CWZ

Polypropylene Impact Copolymer

TOTAL

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Technical Data

Product Description

Polypropylene 4944CWZ polypropylene is a nucleated and controlled rheology impact copolymer with a very High Melt Flow of 50 g/10min.

4944CWZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties and mold release characteristics.

4944CWZ has been developed for high speed injection molding of thin-walled packaging containers and household articles.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• TOTAL
Availability	• North America
Additive	• Nucleating Agent
Features	<ul style="list-style-type: none">• Antistatic• Controlled Rheology• Good Impact Resistance• Good Mold Release• Good Stiffness• High Flow• Impact Copolymer• Low Shrinkage• Low Warpage• Nucleated
Uses	<ul style="list-style-type: none">• Household Goods• Thin-walled Containers• Thin-walled Packaging
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)	50 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	25.5 MPa	ASTM D638
Tensile Elongation (Yield)	5.0 %	ASTM D638
Flexural Modulus	1450 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	80 J/m	ASTM D256
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	150 °C	ASTM D1525
Melting Temperature	160 to 165 °C	Internal Method
Heat Deflection Temperature	90 °C	ASTM D648

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

Houston, TX USA

Telephone: 800-344-3462 (US); +33-1-47-44-45-46 (EU)

Web: <https://www.polymers.total.com>

Distributor

Amco Polymers

Telephone: 800-262-6685

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

Availability: North America

CCC Plastics

Telephone: 800-465-6917

Web: <https://www.ccc-group.com/>

Availability: Canada

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

