Total Petrochemicals Polypropylene 4944WZ polypropylene is a nucleated and controlled rheology impact copolymer with a very high Melt Flow of 50 g/10min.

4944WZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for high speed printing with good antistatic properties.

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

Resin Properties	Typical Value	Test Methods
Melt Flow, g/10 min.	50	ASTM D-1238
Density, g/cm^3	0.905	ASTM D-1505
Melting Range, °C	160 - 165	Total Petrochemicals Method

Mechanical Properties

Tensile Strength at Yield, psi (M Pa)	3650 (25)	ASTM D-638
Elongation at Yield, %	5	ASTM D-638
Flexural Modulus, psi (M Pa)	195,000 (1,350)	ASTM D-790
Izod Impact (Notched)		
@ 23°C, ft-lb/in (J/m)	1.4 (75)	ASTM D-256

Thermal Properties

Vicat Softening Point, °C	150	ASTM D-1525
Heat Deflection Temperature, °C	90	ASTM D-648

4944WZ 10/05

POLYPROPYLENE 4944WZ

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TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.

TOTAL