

POLYPROPYLENE 4944WZ

Impact Copolymer

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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/cm³

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