

TOTAL 4720WZ polypropylene is a nucleated impact copolymer with a Melt Flow of 25 g/10min.

TOTAL 4720WZ is characterized by improved stiffness, creep resistance, high impact resistance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

TOTAL 4720WZ has been developed specifically for the injection molding of garden furniture, housewares and thin-walled articles.

Impact Copolymer

4720WZ

POLYPROPYLENE

Resin Properties

Typical Value

Test Method

Melt Flow, g/10 min.

25

ASTM D-1238

Density, g/cm³

0.905

ASTM D-1505

Melting Range, °C

160 - 165

TOTAL Method

Mechanical Properties

Tensile Strength at Yield, psi (M Pa)

4000 (27)

ASTM D-638

Elongation at Yield, %

6

ASTM D-638

Flexural Modulus, psi (M Pa)

210,000 (,1450)

ASTM D-790

Izod Impact (Notched)

@ 23°C, ft-lb/in (J/m)

2.0 (105)

ASTM D-256

@ -20°C, ft-lb/in (J/m)

0.9 (45)

ASTM D-256

Charpy Impact Strength

@ 23°C, kJ/m²

9.5

DIN 53453

@ -20°C, kJ/m²

4.5

DIN 53453

Thermal Properties

Vicat Softening Point, °C

150

ASTM D-1525

Heat Deflection Temperature, °C

90

ASTM D-648