

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

TOTAL 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.

TOTAL 4944CWZ 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 Method |

Mechanical Properties

| | | |
|---|-----------------|------------|
| Tensile Strength at Yield, psi (M Pa) | 3700 (25) | ASTM D-638 |
| Elongation at Yield, % | 5 | ASTM D-638 |
| Flexural Modulus, psi (M Pa) | 210,000 (1,450) | ASTM D-790 |
| Izod Impact (Notched) @ 23°C, ft-lb/in (J/m) | 1.5 (80) | ASTM D-256 |

Thermal Properties

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

4944CWZ 10/05

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.