

# 5945WZ

# POLYPROPYLENE

## Impact Copolymer

Total Petrochemicals Polypropylene 5945WZ is a nucleated impact copolymer with a Melt Flow of 80 g/10min.

5945WZ is characterized by very low warpage, improved stiffness, and high impact resistance balance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

5945WZ complies with all applicable FDA regulations for food contact applications.

5945WZ has been developed specifically for the injection molding of media packaging, thin-walled articles and compounding.

### Resin Properties

### Typical Value

### Test Method

Melt Flow, g/10 min.	80	ASTM D-1238
Density, g/cm <sup>3</sup>	0.905	ASTM D-1505
Melting Range, °C	160 - 165	TOTAL Polypropylene Method

### Mechanical Properties

Tensile Strength at Yield, psi (M Pa)	3,700 (25)	ASTM D-638
Elongation at Yield, %	6	ASTM D-638
Flexural Modulus, psi (M Pa)	180,000 (1,250)	ASTM D-790
Izod Impact (Notched) @ 23°C, ft-lb/in (J/m)	1.6 (85)	ASTM D-256

### Thermal Properties

Unannealed Heat Deflection Temperature, F° (°C)	230 (110)	ASTM D-648
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5945WZ 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.

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