

# POLYPROPYLENE 4481WZ

## Impact Copolymer

TOTAL Polypropylene 4481WZ polypropylene is a nucleated impact copolymer with a Melt Flow of 4.0 g/10min.

TOTAL Polypropylene 4481WZ is characterized by a good stiffness/impact balance coupled with high creep resistance. This grade has been developed for sheet extrusion and thermoforming applications requiring good mechanical properties and aesthetic appearance.

TOTAL Polypropylene 4481WZ has been specially formulated with an additive for excellent antistatic properties as well as good surface appearance and mold release.

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<u>Resin Properties</u>	<u>Typical Value</u>	<u>Test Method</u>
Melt Flow, g/10 min.	4.0	ASTM D-1238
Density, g/cm <sup>3</sup>	0.905	ASTM D-1505
Melting Range, °C	160 - 165	TOTAL Polypropylene Method
 <u>Mechanical Properties</u>		
Tensile Strength at Yield, psi (M Pa)	4900 (34)	ASTM D-638
Elongation at Yield, %	7	ASTM D-638
Flexural Modulus, psi (M Pa)	250,000 (1770)	ASTM D-790
Notched Izod @23°C, ft.lb/in.	2.6	ASTM D-256
 <u>Thermal Properties</u>		
Heat Deflection Temperature, °C	115	ASTM D-648

4481WZ 8/08

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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 misapplication 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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