

POLYPROPYLENE 4920WZ

Impact Copolymer

Total Petrochemicals Polypropylene 4920WZ is an impact copolymer with a Melt Flow of 105 g/10min.

4920WZ is characterized by excellent stiffness and impact resistance, excellent antistatic properties, as well as extremely good flow properties to allow faster cycling through early demolding.

4920WZ complies with all applicable FDA regulations for food contact applications.

4920WZ has been developed for high-speed injection molding of thin-walled packaging containers and household articles.

<u>Resin Properties</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow, g/10 min.	105	D-1238
Density, g/cm ³	0.905	D-1505
Melting Point, °C	160-165	Total Method
 <u>Mechanical Properties</u>		
Tensile Strength at Yield, psi (M Pa)	3,700 (25)	D-638
Elongation at Yield, %	6	D-638
Flexural Modulus, psi (M Pa)	190,000 (1,300)	D-790
Izod Impact (Notched) @ 23°C ft.lb./in. (J/m)	1.0 (50)	D-256
 <u>Thermal Properties</u>		
Unannealed Heat Deflection, °F (°C)	230 (110)	D-648

4920WZ 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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