

## Description

**Polypropylene 5720WZ** is a nucleated impact copolymer with a Melt Flow of 20 g/10min.

5720WZ is characterized by good stiffness, creep resistance, very high impact resistance, excellent antistatic properties and has been formulated to allow faster cycling through early demolding.

5720WZ has been developed specifically for the injection molding of crates, pails, and other heavy duty articles.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	20
<b>Mechanical Properties</b>			
Tensile, Strength at Yield	ASTM D-638	psi (MPa)	3400 (23)
Elongation at Yield	ASTM D-638	%	7
Flexural Modulus	ASTM D-790	psi (MPa)	190,000 (1,350)
Izod Impact (Notched) @ 23°C	ASTM D-256	ft.-lbs/in. (J/m)	3.6 (180)
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Range	Total Method	(°C)	160-165
Heat Deflection	ASTM D-648	(°C)	90
Vicat Softening Point	D-1525	(°C)	150
<b>Other Physical Properties</b>			
Density	D-1505	g/cm <sup>3</sup>	0.905

- (1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
 (2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

5720WZ 3/3015

Polypropylene



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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 by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS & REFINING 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 expressed 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.

