

## Description

**Polypropylene 4524WZ** is a nucleated high impact copolymer with a Melt Flow of 7 g/10min

4524WZ is characterized by significantly improved impact resistance, while maintaining excellent antistatic properties and good processability.

4524WZ has been developed specifically for the injection molding of baskets, pails, toys and any articles requiring extra toughness.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	7
<b>Mechanical Properties</b>			
Tensile, Strength at Yield	D-638	psi (MPa)	3,800 (26)
Elongation at Yield	D-638	%	7
Flexural Modulus	D-790	psi (MPa)	170,000 (1,180)
Izod Impact (Notched) @ 23°C	ASTM D-256	ft.-lbs/in. (J/m)	3.5 (188)
	ASTM D-256	ft.-lbs/in. (J/m)	1.4(70)
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Range	TOTAL Method	°C	160-165
Heat Deflection Temperature	D-648	°C	90
Vicat Softening Point	D-1525	°C	148
<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.

3524WZ 3/2015



TOTAL PETROCHEMICALS & REFINING USA, INC.  
 POLYMERS AMERICAS  
[www.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)  
 1201 Louisiana Street  
 Suite 1800  
 Houston, TX 77002

TECHNICAL CENTER  
 P.O. Box 1200  
 Deer Park, Texas 77536  
 Phone: 281-884-7500

**1-800-344-3462**