

## Description

**Polypropylene 5824WZ** is a nucleated impact copolymer with a melt flow of 40 g/10min that has been developed for high speed injection molding of thin-walled packaging containers and household articles.

5824WZ is characterized by excellent stiffness and impact resistance, as well as low shrinkage and low warpage. The product is formulated to provide excellent mold release and processing properties required for high speed injection molding applications.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	40
<b>Mechanical Properties</b>			
Tensile, Strength at Yield	D-638	psi (MPa)	3,200 (22)
Elongation at Yield	D-638	%	6
Flexural Modulus	D-790	psi (MPa)	160,000 (1,100)
Izod Impact (Notched) @ 23°C	D-256	ft.-lbs/in. (J/m)	3.5 (190)
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Range	TOTAL Method	°C	160-165
Heat Deflection	D-648	°C	95
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.

5824WZ 11/2016

Polypropylene

