



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

# Polypropylene 3485WZ

Technical Data Sheet  
Polypropylene – Homopolymer  
Produced in the United States

## Description

**Polypropylene 3485WZ** produces thermoformed parts with good clarity, gloss and sidewall stiffness.

**High Purity:** 3485WZ features minimum taste and odor and optimum thermal stability for superior color and processability.

**FDA:** 3485WZ complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging.

**Applications:** 3485WZ is ideal for deli containers, drinking cups, lids, and food service trays.

**Processing:** 3485WZ resin processes on in-line, narrow web thermoforming and solid phase pressure forming equipment with typical melt temperature at 450°F-500°F (232°C-260°C).

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238 Condition "L"	g/10 min	4.1
<b>Mechanical Properties</b>			
Tensile	D-638	psi (MPa)	5,600 (40)
Elongation	D-638	%	6.0
Tensile Modulus	D-638	psi (MPa)	280,000 (1,930)
Flexural Modulus	D-790	psi (MPa)	270,000 (1,860)
Notched Izod Impact @ 73°F	D-256A	ft.-lbs/in. (J/m)	0.8 (43)
<b>Thermal Properties<sup>(1)(2)</sup></b>			
Melting Point	DSC	°F (°C)	330 (165)
Heat Deflection	D-648	°F @ 66 psi (°C)	232 (111)
<b>Other Physical Properties</b>			
Density	D-1505	g/cc	0.905
Haze	D-1003	% (on molded plaque, 20-mil (0.5mm))	20

Polypropylene

(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.

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