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
Rheological Properties			
Melt Flow	D-1238 Condition “L”	g/10 min	4.1
Mechanical Properties			
Tensile Strength @ Yield	D-638	psi (MPa)	5,600 (40)
Tensile Elongation @ Yield	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-lb/in (J/m)	0.8 (43)
Thermal Properties(1)			
Melting Point	DSC(2)	°F (°C)	330 (165)
Heat Deflection	D-648	°F @ 66 psi (°C)	232 (111)
Other Physical Properties			
Density	D-1505	g/cc	0.905
Haze	D-1003	% (on molded plaque, 20-mil (0.5mm)	20

(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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Polypropylene

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