TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 5948WZ

Technical Data Sheet
Polypropylene – Impact Copolymer
Produced in the United States

Description

Polypropylene 5948WZ is an impact copolymer with a Melt Flow of 84 g/10min.

5948WZ is characterized by excellent stiffness and impact resistance, excellent antistatic properties, as well as extremely good flow properties to allow faster cycling through early demolding.

5948WZ complies with all applicable FDA regulations for food contact applications.

5948WZ has been developed for high-speed injection molding of thin-walled packaging containers and household articles.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	84
Mechanical Properties			
Tensile Strength at Yield	D-638	psi (MPa)	3,600 (25)
Elongation at Yield	D-638	%	6
Flexural Modulus	D-790	psi (MPa)	170,000 (1,170)
Izod Impact Notched @ 23˚C	D-256	ft-lb/in (J/m)	2.0 (107)
Thermal Properties(1)			
Melting Point	DSC(2)	˚F (˚C)	320-329 (160-165)
Unannealed Heat Deflection	D-648	˚F (˚C)	225 (107)
Other Physical Properties			
Density	D-1505	g/cm^3	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.

Rev: Feb 2026

Polypropylene

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