TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 5624WZ

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

Description

Polypropylene 5624WZ is a nucleated impact copolymer with a melt flow of 15 g/10min. that is designed specifically for durable goods requiring extra toughness.

5624WZ is characterized by excellent impact resistance, making it a no break impact copolymer. Additionally, the mold release characteristics of 5624WZ provide antistatic and processing properties well suited for injection molding durable goods.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	15
Mechanical Properties			
Tensile Strength at Yield	D-638	psi (MPa)	3,400 (23)
Elongation at Yield	D-638	%	5
Flexural Modulus	D-790	psi (MPa)	170,000 (1,170)
Izod Impact Notched @ 23˚C	D-256	ft-lb/in (J/m)	No Break
Thermal Properties(1)			
Melting Range	DSC(2)	˚F (˚C)	320-329 (160-165)
Heat Deflection	D-648	˚F (˚C)	194 (90)
Vicat Softening Point	D-1525	˚F (˚C)	298 (148)
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.

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Polypropylene

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