TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene M8825KZ

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

Description

Clarity – M8825KZ exhibits excellent clarity in molded parts.

Impact – M8825KZ produces molded parts with improved impact in comparison to parts molded from conventional clarified random copolymers.

Antistat – M8825KZ contains an antistat to help protect molded parts from dust accumulation.

FDA – M8825KZ complies with all applicable FDA regulations for food contact applications.

Applications – M8825KZ is recommended for injection molding housewares, caps and closures, packaging and other items requiring a balance of impact, clarity and easy mold release.

Processing – M8825KZ resin processes on conventional injection molding equipment with typical melt temperatures of 390˚F-450˚F (200˚C-232˚C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	30
Mechanical Properties(1)			
Tensile Modulus	D-638	psi (MPa)	180,000 (1,240)
Tensile Elongation @ Yield	D-638	%	12
Flexural Modulus	D-780	psi (MPa)	173,000 (1,195)
Izod Impact @ 73 °F, Notched	D-256A	ft.lb/in (J/m)	0.7 (37)
Haze, 0.04” plaques	D-1003	%	8
Thermal Properties(1)			
Melting Point	DSC(2)	°F (°C)	277 (136)
Heat Deflection @ 66 Psi @ 4.64 kg/cm^2	D-648	 °F °C	 192 89
Other Physical Properties			
Density	D-1505	g/cc	0.9

(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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