

Description

Polypropylene 3927WZ is nucleated to provide fast cycle time and improve contact clarity.

Antistat: 3927WZ contains an antistat that will help protect molded parts from shelf dusting.

FDA: 3927WZ complies with all applicable FDA regulations for food contact applications.

Applications: 3927WZ is recommended for thin wall parts, caps and closures in multi-cavity molds.

Processing: 3927WZ processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C).

Characteristics

| | Method | Unit | Typical Value |
|---|--------------------|------------------------------|-----------------|
| Rheological Properties | | | |
| Melt Flow | D-1238 | g/10 min | 60 |
| Mechanical Properties | | | |
| Tensile | D-638 | psi (MPa) | 5,500 (38) |
| Elongation | D-638 | % | 10 |
| Tensile Modulus | D-638 | psi (MPa) | 285,000 (2,000) |
| Flexural Modulus | D-790 | psi (MPa) | 270,000 (1,900) |
| Izod Impact Notched @ 73°F | D-256A | ft.-lbs/in. (J/m) | 0.4 (21) |
| Unnotched | | | 16.0 (855) |
| Hardness | | | |
| Rockwell R | D-785A | | 107 |
| Thermal Properties⁽¹⁾ | | | |
| Melting Point | DSC ⁽²⁾ | °F (°C) | 330 (165) |
| Heat Deflection | D-648 | °F @ 66 psi | 260 |
| | | °C @ 4.64 kg/cm ² | 127 |
| Other Physical Properties | | | |
| Density | D-1505 | g/cc | 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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