



Physical Properties and General Processing Conditions

Z-26051MB PS 70% White Masterbatch Polystyrene (PS) White

Z-26051MB PS 70% White is a masterbatch of 70% finely dispersed Rutile Titanium Dioxide and 30% impact polystyrene carrier resin, which provides optimum opacity for injection molded parts, extruded sheet, and extruded profile.

PHYSICAL PROPERTIES & AVERAGE VALUES	ENGLISH	SI METRIC	TEST
Impact Polystyrene Carrier (PS)	30 %	30 %	
Rutile Titanium Dioxide	70 %	70 %	
Specific Gravity	2.0	2.0	D 792
Melt Flow Rate	12 g/10 min	12 g/10 min	D 1238
Bulk Density	120 g/100 cc	120 g /100 cc	
Pellet Size	30 pellets/g	30 pellets/g	
Moisture Content	0.05 %	0.05 %	
Packaging	Gaylord, drum, or bag	Gaylord, drum, or bag	

PROPERTY NOTES

- Data herein is typical and not to be construed as specifications.
- No dispersion aids, waxes or stearates are used in this product.
- Z-26051MB PS 70% White maybe used to meet the requirements of Title 21 of the U.S. Federal Code of Regulations (FDA). Contact your RTP Color sales specialist should you require more information regarding the use of Z-26051MB PS 70% White in food contact applications.
- Z-26051MB PS 70% White meets the Coalition of Northeastern Governors (CONEG) requirements of a total of less than 100 PPM contamination by lead, mercury, cadmium, and hexavalent chromium.
- Z-26051MB PS 70% White is not known to contain chemicals listed in the California Safe Drinking Water and Toxic Enforcement Act of 1996 (Proposition 65).

GENERAL PROCESSING CONDITIONS	ENGLISH	SI METRIC
Injection Pressure	10000-15000 psi	69-103 MPa
Melt Temperature	410-480 °F	210-249 °C
Mold Temperature	100-150 °F	38-66 °C
Drying	2 hr @ 180 °F	2 hr @ 82 °C

PROCESSING NOTES

- None

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics for injection molding. Because injection mold design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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