



Physical Properties and General Processing Conditions

Z-26050 MB PP 50% White Masterbatch Polypropylene (PP) White

Z-26050 MB PP 50% White is a masterbatch of 50% finely dispersed Rutile Titanium Dioxide and 50% polypropylene (PP) homopolymer carrier resin, which provides optimum opacity for injection or blow molded parts, extruded sheet and film.

| PHYSICAL PROPERTIES & AVERAGE VALUES | ENGLISH | SI METRIC | TEST |
|--|-----------------------|-----------------------|--------|
| Polypropylene Homopolymer Carrier (PP) | 50 % | 50 % | |
| Rutile Titanium Dioxide | 50 % | 50 % | |
| Specific Gravity | 1.4 | 1.4 | D 792 |
| Melt Flow Rate | 12 g/10 min | 12 g/10 min | D 1238 |
| Bulk Density | 82 g/100 cc | 82 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.
- Z-26050 MB PP 50% 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-26050 MB PP 50% White in food contact applications.
- Z-26050 MB PP 50% 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-26050 MB PP 50% 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 | 375-450 °F | 191-232 °C |
| Mold Temperature | 90-150 °F | 32-66 °C |
| Drying | 2 hr @ 175 °F | 2 hr @ 79 °C |

PROCESSING NOTES

- None

19 MAY 2005

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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