

# Wondel® T TM6

Polybutylene Terephthalate

Nanjing Julong Engineering Plastics Co., LTD

## Message:

Wondel® T TM6 is a Polybutylene Terephthalate (PBT) material filled with 30% mineral. It is available in Asia Pacific. Primary attribute of Wondel® T TM6: Flame Rated.

| General Information                                |                              |                   |             |
|----------------------------------------------------|------------------------------|-------------------|-------------|
| Filler / Reinforcement                             | Mineral,30% Filler by Weight |                   |             |
| Forms                                              | Pellets                      |                   |             |
| Physical                                           | Nominal Value                | Unit              | Test Method |
| Density                                            | 1.60                         | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                  | 0.40 to 0.80                 | %                 | ISO 294-4   |
| Hardness                                           | Nominal Value                | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                        | 110                          |                   | ISO 2039-2  |
| Mechanical                                         | Nominal Value                | Unit              | Test Method |
| Tensile Stress (Yield)                             | 60.0                         | MPa               | ISO 527-2   |
| Tensile Strain (Break)                             | 3.0                          | %                 | ISO 527-2   |
| Flexural Stress                                    | 85.0                         | MPa               | ISO 178     |
| Impact                                             | Nominal Value                | Unit              | Test Method |
| Notched Izod Impact Strength                       | 4.0                          | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                            | Nominal Value                | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 200                          | °C                | ISO 75-2/B  |
| Melting Temperature (DSC)                          | 225                          | °C                | ISO 3146    |
| Electrical                                         | Nominal Value                | Unit              | Test Method |
| Surface Resistivity                                | > 1.0E+15                    | ohms              | IEC 60093   |
| Flammability                                       | Nominal Value                | Unit              | Test Method |
| Flame Rating                                       | HB                           |                   | UL 94       |

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## Recommended distributors for this material

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