

# Nanjing Hongrui PBT T401

Polybutylene Terephthalate

Nanjing Hongrui Engineering Plastics Co., Ltd.

Message:

Nanjing Hongrui PBT T401 is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific.

Important attributes of Nanjing Hongrui PBT T401 are:

Flame Rated

Good Toughness

| General Information                                      |                |                   |             |
|----------------------------------------------------------|----------------|-------------------|-------------|
| Features                                                 | Good Toughness |                   |             |
| Physical                                                 | Nominal Value  | Unit              | Test Method |
| Specific Gravity                                         | 1.25           | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow                                 | 1.8            | %                 | ASTM D955   |
| Hardness                                                 | Nominal Value  | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 110            |                   | ASTM D785   |
| Mechanical                                               | Nominal Value  | Unit              | Test Method |
| Tensile Strength                                         | 35.0           | MPa               | ASTM D638   |
| Tensile Elongation (Break)                               | 10             | %                 | ASTM D638   |
| Flexural Modulus                                         | 1600           | MPa               | ASTM D790   |
| Flexural Strength                                        | 45.0           | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value  | Unit              | Test Method |
| Notched Izod Impact (Area)                               | 15.0           | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal                                                  | Nominal Value  | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 120            | °C                | ASTM D648   |
| Melting Temperature                                      | 220            | °C                |             |
| Electrical                                               | Nominal Value  | Unit              | Test Method |
| Surface Resistivity                                      | 1.0E+13        | ohms              | ASTM D257   |
| Dielectric Strength                                      | 15             | kV/mm             | ASTM D149   |
| Flammability                                             | Nominal Value  | Unit              | Test Method |
| Flame Rating                                             | HB             |                   | UL 94       |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

