

# PrimoTek KM6110

Polybutylene Terephthalate

KMI Group Inc.

## Message:

PrimoTek KM6110 is a Polybutylene Terephthalate (PBT) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

| General Information                       |               |                   |                 |
|-------------------------------------------|---------------|-------------------|-----------------|
| Forms                                     | Pellets       |                   |                 |
| Physical                                  | Nominal Value | Unit              | Test Method     |
| Specific Gravity                          | 1.30 to 1.32  | g/cm <sup>3</sup> | ASTM D792B      |
| Melt Mass-Flow Rate (MFR) <sup>1</sup>    | 17 to 22      | g/10 min          | ASTM D1238      |
| Color b                                   | < 5.50        |                   | Internal Method |
| Color L                                   | > 90.0        |                   | Internal Method |
| Intrinsic Viscosity                       | 1.1           | dl/g              | Internal Method |
| Carboxyl End Groups                       | < 30.0        | mol/t             | Internal Method |
| Mechanical                                | Nominal Value | Unit              | Test Method     |
| Tensile Strength (Yield)                  | 50.0 to 60.0  | MPa               | ASTM D638       |
| Tensile Elongation (Break)                | > 200         | %                 | ASTM D638       |
| Flexural Strength                         | > 85.0        | MPa               | ASTM D790       |
| Impact                                    | Nominal Value | Unit              | Test Method     |
| Notched Izod Impact Strength <sup>2</sup> | > 40          | kJ/m <sup>2</sup> | ASTM D256       |
| Thermal                                   | Nominal Value | Unit              | Test Method     |
| Peak Melting Temperature                  | 220 to 225    | °C                | ASTM D3418      |
| Electrical                                | Nominal Value | Unit              | Test Method     |
| Dielectric Strength (2.00 mm)             | > 2.0         | kV/mm             | ASTM D149       |
| NOTE                                      |               |                   |                 |
| 1.                                        | Procedure A   |                   |                 |
| 2.                                        | Notch A       |                   |                 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### 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



WECHAT