

Piolen® PE T30A103

High Density Polyethylene

PiO Kunststoffe GmbH & Co KG

Message:

Piolen® PE T30A103 is a High Density Polyethylene product filled with 30% talc. It can be processed by extrusion and is available in Europe. Typical application: Construction Applications.

Characteristics include:

Flame Rated

Good Aesthetics

Impact Resistant

| General Information | | | |
|---|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Talc,30% Filler by Weight | | |
| Features | Good Surface Finish | | |
| | Low Temperature Impact Resistance | | |
| Uses | Construction Applications | | |
| Appearance | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.19 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 0.30 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 527-2 |
| Yield | 27.0 | MPa | |
| Break | 46.0 | MPa | |
| Tensile Strain (Break) | 32 | % | ISO 527-2 |
| Flexural Modulus | 2100 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -40°C | 6.0 | kJ/m ² | |
| 23°C | 19 | kJ/m ² | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -40°C | No Break | | |
| 23°C | No Break | | |
| Thermal | Nominal Value | Unit | Test Method |
| Peak Crystallization Temperature (DSC) | 124 to 137 | °C | ISO 3146 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | HB | | UL 94 |

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

