

Preliminary Data Sheet

UDMAX[®] GPP 55-80 XP013 TAPE (0.21 mm)

DESCRIPTION

UDMAX[®] GPP 55-80 XP013 TAPE is a UD glass reinforced, polypropylene based, composite material, produced using UDMAX[™]'s proprietary HPFIT[™] technology, delivering optimal fiber spreading and a resin-rich surface layer at high fiber contents. UDMAX[®] GPP 55-80 XP013 TAPE has been developed for the thermoplastic composite automotive market. This grade is available in the natural and black color. Please contact our customer service department for more information about available tape length and width, as well as winding method.

TYPICAL PROPERTIES VALUES

(Revision: 22092301)

| Name | Typical values | Unit | Test methods |
|-----------------------|----------------|--------------------|--------------|
| PHYSICAL | | | |
| Matrix material | PP homopol. | | |
| Polymer melting point | 166 | °C | |
| Glass content | 56 | Volume% | - |
| Glass content | 80 | Weight% | - |
| Thickness | 0.210 | mm | - |
| Density | 1.87 | kg/dm ³ | ISO1183 |
| Areal weight | 393 | g/m ² | - |
| MECHANICAL | | | |
| Tensile modulus 0° | 43 | GPa | ISO 527-5 |
| Tensile strength 0° | 1090 | MPa | ISO 527-5 |

PROCESSING

It is not necessary to dry UDMAX[®] GPP 55-80 XP013 TAPE prior to use. The recommended processing temperature range is 160° to 180°C

DISCLAIMER

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UDMAX[™] Tapes

Address: OSB 4. cad No:4 26110 Eskişehir Turkey

T: +90 222 236 22 22

E: info@frttapes.com

W: www.frttapes.com

