

## SABIC Innovative Plastics LNP Verton MX03017 PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

LNP\* VERTON\* MX03017 is a compound based on Polypropylene resin containing Glass Fiber, Long Glass Fiber. Added features of this material include: Chemically Coupled. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Verton-MX03017-PP-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-MX03017-PP-Europe-Africa-Middle-East.php)

| Physical Properties | Metric    | English                   | Comments   |
|---------------------|-----------|---------------------------|------------|
| Density             | 1.33 g/cc | 0.0480 lb/in <sup>3</sup> | ISO 1183   |
|                     | 1.35 g/cc | 0.0488 lb/in <sup>3</sup> | ASTM D 792 |

| Mechanical Properties        | Metric                 | English                    | Comments              |
|------------------------------|------------------------|----------------------------|-----------------------|
| Tensile Strength at Break    | 131 MPa                | 19000 psi                  | ASTM D 638            |
|                              | 141 MPa                | 20500 psi                  | ISO 527               |
| Elongation at Break          | 1.7 %                  | 1.7 %                      | ISO 527               |
|                              | 1.9 %                  | 1.9 %                      | ASTM D 638            |
| Tensile Modulus              | 10.44 GPa              | 1514 ksi                   | 50 mm/min; ASTM D 638 |
|                              | 13.87 GPa              | 2012 ksi                   | 1 mm/min; ISO 527     |
| Flexural Strength            | 186 MPa                | 27000 psi                  | ASTM D 790            |
|                              | 214 MPa                | 31000 psi                  | ISO 178               |
| Flexural Modulus             | 9.34 GPa               | 1350 ksi                   | ASTM D 790            |
|                              | 11.15 GPa              | 1617 ksi                   | ISO 178               |
| Izod Impact, Notched         | 2.08 J/cm              | 3.90 ft-lb/in              | ASTM D 256            |
|                              | @Temperature 23.0 Å°C  | @Temperature 73.4 Å°F      |                       |
| Izod Impact, Notched (ISO)   | 29.0 kJ/m <sup>2</sup> | 13.8 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1A   |
|                              | @Temperature 23.0 Å°C  | @Temperature 73.4 Å°F      |                       |
| Izod Impact, Unnotched (ISO) | 66.0 kJ/m <sup>2</sup> | 31.4 ft-lb/in <sup>2</sup> | 80*10*4; ISO 180/1U   |
|                              | @Temperature 23.0 Å°C  | @Temperature 73.4 Å°F      |                       |

| Impact Test<br>Mechanical Properties | 13.0 J<br>Metric         | 9.59 ft-lb<br>English | Multiaxial Impact; ISO 6603<br>Comments           |
|--------------------------------------|--------------------------|-----------------------|---------------------------------------------------|
|                                      | 13.0 J                   | 9.59 ft-lb            | Instrumented Impact Energy @ peak;<br>ASTM D 3763 |
|                                      | @Temperature 23.0<br>Â°C | @Temperature 73.4 Â°F |                                                   |

| Thermal Properties                             | Metric                           | English                         | Comments                         |
|------------------------------------------------|----------------------------------|---------------------------------|----------------------------------|
| CTE, linear, Parallel to Flow                  | 33.7 Âµm/m-Â°C                   | 18.7 Âµin/in-Â°F                | ISO 11359-2                      |
|                                                | @Temperature -40.0 -<br>40.0 Â°C | @Temperature -40.0 -<br>104 Â°F |                                  |
|                                                | 93.4 Âµm/m-Â°C                   | 51.9 Âµin/in-Â°F                | ASTM E 831                       |
|                                                | @Temperature -40.0 -<br>40.0 Â°C | @Temperature -40.0 -<br>104 Â°F |                                  |
| CTE, linear, Transverse to Flow                | 45.8 Âµm/m-Â°C                   | 25.4 Âµin/in-Â°F                | ISO 11359-2                      |
|                                                | @Temperature -40.0 -<br>40.0 Â°C | @Temperature -40.0 -<br>104 Â°F |                                  |
|                                                | 94.5 Âµm/m-Â°C                   | 52.5 Âµin/in-Â°F                | ASTM E 831                       |
|                                                | @Temperature -40.0 -<br>40.0 Â°C | @Temperature -40.0 -<br>104 Â°F |                                  |
| Deflection Temperature at 0.46 MPa<br>(66 psi) | 134 Â°C                          | 273 Â°F                         | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 160 Â°C                          | 320 Â°F                         | Flatw 80*10*4 sp=64mm; ISO 75/Af |
|                                                | 157 Â°C                          | 315 Â°F                         | unannealed; ASTM D 648           |
|                                                | @Thickness 3.20 mm               | @Thickness 0.126 in             |                                  |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China