

SABIC Innovative Plastics LNP VERTON NV004E PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

LNP VERTON* NV004E is a compound based on PC+ABS Blend resin containing Long Glass. Added features of this material include: Easy Molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-NV004E-PCABS-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|-----------------------|
| Density | 1.30 g/cc | 0.0470 lb/in ³ | ISO 1183 |
| | 1.30 g/cc | 0.0470 lb/in ³ | ASTM D792 |
| Moisture Absorption | 0.100 % | 0.100 % | 23°C / 50% RH; ISO 62 |
| Linear Mold Shrinkage, Flow | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | ISO 294 |
| | @Time 86400 sec | @Time 24.0 hour | |
| Linear Mold Shrinkage, Transverse | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | ASTM D955 |
| | @Time 86400 sec | @Time 24.0 hour | |
| Linear Mold Shrinkage, Transverse | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | ASTM D955 |
| | @Time 86400 sec | @Time 24.0 hour | |
| Linear Mold Shrinkage, Transverse | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | ISO 294 |
| | @Time 86400 sec | @Time 24.0 hour | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|----------|-----------|----------------------|
| Tensile Strength at Break | 119 MPa | 17300 psi | ASTM D638 |
| | 124 MPa | 18000 psi | ISO 527 |
| Elongation at Break | 2.1 % | 2.1 % | ISO 527 |
| | 2.4 % | 2.4 % | ASTM D638 |
| Tensile Modulus | 6.61 GPa | 959 ksi | 50 mm/min; ASTM D638 |
| | 7.79 GPa | 1130 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 139 MPa | 20200 psi | ISO 178 |
| | 159 MPa | 23100 psi | ASTM D790 |
| Flexural Modulus | 5.67 GPa | 822 ksi | ASTM D790 |

| Mechanical Properties | 6.97 GPa Metric | 1010 ksi English | ISO 178 Comments |
|------------------------------|---|---|--|
| Izod Impact, Notched | 1.61 J/cm | 3.02 ft-lb/in | ASTM D256 |
| | 1.66 J/cm @Temperature -40.0 °C | 3.11 ft-lb/in @Temperature -40.0 °F | ASTM D256 |
| Izod Impact, Unnotched | 5.71 J/cm | 10.7 ft-lb/in | ASTM D4812 |
| Izod Impact, Notched (ISO) | 18.0 kJ/m ² | 8.57 ft-lb/in ² | 80*10*4; ISO 180/1A |
| | 17.0 kJ/m ² @Temperature -40.0 °C | 8.09 ft-lb/in ² @Temperature -40.0 °F | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 41.0 kJ/m ² | 19.5 ft-lb/in ² | 80*10*4; ISO 180/1U |
| Dart Drop, Total Energy | 16.0 J | 11.8 ft-lb | Instrumented Impact Energy @ peak; ASTM D3763 |

| Thermal Properties | Metric | English | Comments |
|--|---------------------------------|--------------------------------|-----------------------|
| CTE, linear, Parallel to Flow | 43.2 µm/m-°C | 24.0 µin/in-°F | ASTM E 831 |
| | @Temperature -40.0 - 40.0 °C | @Temperature -40.0 - 104 °F | |
| | 44.5 µm/m-°C | 24.7 µin/in-°F | ISO 11359-2 |
| | @Temperature -40.0 - 40.0 °C | @Temperature -40.0 - 104 °F | |
| CTE, linear, Transverse to Flow | 46.8 µm/m-°C | 26.0 µin/in-°F | ASTM E 831 |
| | @Temperature -40.0 - 40.0 °C | @Temperature -40.0 - 104 °F | |
| | 47.7 µm/m-°C | 26.5 µin/in-°F | ISO 11359-2 |
| | @Temperature -40.0 - 40.0 °C | @Temperature -40.0 - 104 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 133 °C | 271 °F | unannealed; ASTM D648 |
| | @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