



SHANGHAI NYTEX COMPOSITES

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Product Information

NYLOY[®] NG-0040N-S

• Nylon 6 • 40% Glass Fiber Reinforced • Natural

| PROPERTY | METHOD | UNIT | RESULT |
|---|------------|--------------------------|-------------------------------|
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | kg/cm ² (MPa) | 1950 (191.36) |
| Elongation | ASTM D638 | % | 3.5 |
| Flexural Strength | ASTM D790 | kg/cm ² (MPa) | 2900 (284.59) |
| Flexural Modulus | ASTM D790 | kg/cm ² (MPa) | 1.0x10 ⁵ (9813.54) |
| IZOD Impact, Notched 1/8" 23°C | ASTM D256 | kg-cm/cm (J/M) | 17 (166.67) |
| IZOD Impact, Notched 1/8" -20°C | ASTM D256 | kg-cm/cm (J/M) | - |
| Hardness Rockwell R Scale | ASTM D785 | - | - |
| Hardness Shore D | ASTM D2240 | - | - |
| THERMAL | | | |
| Heat Deflection Temp | ASTM D648 | | |
| (18.6kg/cm ²) (1.82MPa) | | °C | 205 |
| (4.6kg/cm ²) (0.46MPa) | | °C | 215 |
| ELECTRICAL | | | |
| Arc Resistance | ASTM D495 | sec | - |
| CTI,solution A | IEC 60112 | - | 600 |
| OTHER | | | |
| Density | ASTM D792 | g/cm ³ | 1.43 |
| Mold Shrinkage ⁽²⁾ | ASTM D955 | x10 ⁻³ mm/mm | 1.5-2.5 |
| Moisture Contents | - | % | 0.2 |
| Flammability | UL-94 | 1.6mm | HB |
| | UL-94 | 3.2mm | - |
| REMARK | | | |
| ⁽¹⁾ This data is for reference only. | | | |
| ⁽²⁾ Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm. | | | |