



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY® NF-0040N

• Nylon 6 • 40% Mineral Reinforced • Natural

| PROPERTY  | METHOD     | UNIT                    | RESULT    |
|---|------------|-------------------------|-----------|
| <b>MECHANICAL</b>   |            |                         |           |
| Tensile Strength  | ASTM D638  | psi                     | 12802.28  |
| Elongation  | ASTM D638  | %                       | 1.5       |
| Flexural Strength   | ASTM D790  | psi                     | 19914.65  |
| Flexural Modulus  | ASTM D790  | psi                     | 1280227.6 |
| IZOD Impact, Notched 1/8" 73.4°F  | ASTM D256  | ft-lb/in                | 0.84      |
| IZOD Impact, Notched 1/8" -4°F  | ASTM D256  | ft-lb/in                | -         |
| Hardness Rockwell R Scale   | ASTM D785  | -                       | R-116     |
| Hardness Shore D  | ASTM D2240 | -                       | -         |
| <b>THERMAL</b>  |            |                         |           |
| Heat Deflection Temp  | ASTM D648  |                         |           |
| 264 psi   |            | °F                      | -         |
| 66 psi  |            | °F                      | -         |
| <b>ELECTRICAL</b>   |            |                         |           |
| Arc Resistance  | ASTM D495  | sec                     | -         |
| CTI,solution A  | IEC 60112  | -                       | -         |
| <b>OTHER</b>  |            |                         |           |
| Density   | ASTM D792  | lb/in <sup>3</sup>      | 0.0456    |
| Mold Shrinkage <sup>(2)</sup>   | ASTM D955  | x10 <sup>-3</sup> in/in | 3.6-4.6   |
| Moisture Contents   | -          | %                       | -         |
| Flammability  | UL-94      | 1/16 in                 | -         |
|   | UL-94      | 1/8 in                  | -         |
| <b>REMARK</b>   |            |                         |           |
| <sup>(1)</sup> This data is for reference only.   |            |                         |           |
| <sup>(2)</sup> Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm. |            |                         |           |