



# NYTEX COMPOSITES CO., LTD.

TEL:02-26963366 FAX:02-26963399  
http://www.nytex.com.tw

## Product Information

## NYLOY<sup>®</sup> NG-1035NM

- Nylon 6
- 35% Glass Fiber Reinforced/Impact Modified
- Natural

| PROPERTY   | METHOD     | UNIT                    | RESULT     |
|--|------------|-------------------------|------------|
| <b>MECHANICAL</b>  |            |                         |            |
| Tensile Strength   | ASTM D638  | psi                     | 22048.36   |
| Elongation   | ASTM D638  | %                       | 4.7        |
| Flexural Strength  | ASTM D790  | psi                     | 32574.68   |
| Flexural Modulus   | ASTM D790  | psi                     | 1201991.47 |
| IZOD Impact, Notched 1/8" 73.4°F   | ASTM D256  | ft-lb/in                | 5.14       |
| IZOD Impact, Notched 1/8" -4°F   | ASTM D256  | ft-lb/in                | -          |
| Hardness Rockwell R Scale  | ASTM D785  | -                       | R-115      |
| Hardness Shore D   | ASTM D2240 | -                       | -          |
| <b>THERMAL</b>   |            |                         |            |
| Heat Deflection Temp   | ASTM D648  |                         |            |
| 264 psi  |            | °F                      | 404.6      |
| 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>      | 0.0419     |
| Mold Shrinkage <sup>(2)</sup>  | ASTM D955  | x10 <sup>-3</sup> in/in | 1.7-2.7    |
| Moisture Contents  | -          | %                       | -          |
| Flammability   | UL-94      | 1/16 in                 | -          |
|  | UL-94      | 1/8 in                  | -          |
| <b>REMARK</b>  |            |                         |            |
| (1) This data is for reference only.   |            |                         |            |
| (2) Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm. |            |                         |            |