



# NYPLA INDUSTRIAL CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> UB-0010N G60L1N

• High Temp. Nylon • Glass Fiber Reinforced • Natural

| PROPERTY   | METHOD         | UNIT              | RESULT |      |
|--|----------------|-------------------|--------|------|
| <b>MECHANICAL</b>  |                |                   |        |      |
| Tensile Strength   | ISO 527        | MPa               | 250    |      |
| Tensile Modulus  | ISO 527        | MPa               | -      |      |
| Elongation   | ISO 527        | %                 | 1.5    |      |
| Flexural Strength  | ISO 178        | MPa               | 330    |      |
| Flexural Modulus   | ISO 178        | MPa               | 18600  |      |
| Charpy Impact, Notched 23° C                               | ISO 179        | kJ/M <sup>2</sup> | 15     |      |
| <b>THERMAL</b>   |                |                   |        |      |
| Heat Deflection Temp<br>(18.6kg/cm <sup>2</sup> )(1.82MPa) | ISO 75         | °C                | 245    |      |
| <b>OTHER</b>   |                |                   |        |      |
| Ash Contents   | ISO 3451       | %                 | GF 60  |      |
| Flammability   | UL-94          | 1.6mm             | -      |      |
|  | UL-94          | 0.8mm             | -      |      |
| Density  | ISO 1183       | g/cm <sup>3</sup> | 1.7    |      |
| <b>PHYSICAL</b>  |                |                   |        |      |
| Mold Shrinkage   | ISO 294-4      |                   | -      |      |
|  |                | Normal            | %      | 0.56 |
|  |                | Parallel          | %      | 0.31 |
| <b>FLAMMABILITY</b>  |                |                   |        |      |
| Glow Wire Test(GWFI)                                       | IEC 60695-2-12 | 2.0mm             | -      |      |
| Glow Wire Test(GWIT)                                       | IEC 60695-2-13 | 2.0mm             | -      |      |
| <b>REMARK</b>  |                |                   |        |      |
| (1)This data is for reference only.                        |                |                   |        |      |