



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] NG-1035NM

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

| PROPERTY | METHOD | UNIT | RESULT |
|--------------------------------------|------------|--------------------------|--------------------------------|
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | kg/cm ² (MPa) | 1550 (152.11) |
| Elongation | ASTM D638 | % | 4.7 |
| Flexural Strength | ASTM D790 | kg/cm ² (MPa) | 2290 (224.73) |
| Flexural Modulus | ASTM D790 | kg/cm ² (MPa) | 8.45x10 ⁴ (8292.44) |
| IZOD Impact, Notched 1/8" 23°C | ASTM D256 | kg-cm/cm (J/M) | 28.0 (274.51) |
| IZOD Impact, Notched 1/8" -20°C | ASTM D256 | kg-cm/cm (J/M) | - |
| Hardness Rockwell R Scale | ASTM D785 | - | R-115 |
| Hardness Shore D | ASTM D2240 | - | - |
| THERMAL | | | |
| Heat Deflection Temp | ASTM D648 | | |
| (18.6kg/cm ²) (1.82MPa) | | °C | 207 |
| (4.6kg/cm ²) (0.46MPa) | | °C | - |
| OTHER | | | |
| Density | ASTM D792 | g/cm ³ | 1.350 |
| Mold Shrinkage | ASTM D955 | | - |
| Normal | | % | 0.96 |
| Parallel | | % | 0.34 |
| Moisture Contents | - | % | - |
| REMARK | | | |
| (1) This data is for reference only. | | | |