



NYTEX COMPOSITES CO., LTD.

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Product Information

NYLOY[®] MS-0100N

- Nylon 66 • Impact Modified • Natural

| PROPERTY | METHOD | UNIT | RESULT |
|--------------------------------------|------------|--------------------------|--------------------------------|
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | kg/cm ² (MPa) | 430 (42.2) |
| Elongation | ASTM D638 | % | 160 |
| Flexural Strength | ASTM D790 | kg/cm ² (MPa) | 600 (58.88) |
| Flexural Modulus | ASTM D790 | kg/cm ² (MPa) | 1.54x10 ⁴ (1511.29) |
| IZOD Impact, Notched 1/8" 23°C | ASTM D256 | kg-cm/cm (J/M) | 110.0 (1078.43) |
| IZOD Impact, Notched 1/8" -20°C | ASTM D256 | kg-cm/cm (J/M) | 80 (784.31) |
| Hardness Rockwell R Scale | ASTM D785 | - | - |
| Hardness Shore D | ASTM D2240 | - | D-72 |
| THERMAL | | | |
| Heat Deflection Temp | ASTM D648 | | |
| (18.6kg/cm ²) (1.82MPa) | | °C | - |
| (4.6kg/cm ²) (0.46MPa) | | °C | - |
| OTHER | | | |
| Density | ASTM D792 | g/cm ³ | 1.070 |
| Mold Shrinkage | ASTM D955 | | - |
| Normal | | % | 1.68 |
| Parallel | | % | 1.53 |
| Moisture Contents | - | % | - |
| Flammability | UL-94 | 1.6mm | - |
| | UL-94 | 3.2mm | - |
| (1) This data is for reference only. | | | |