



# NYTEX COMPOSITES CO., LTD.

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

## Product Information

## NYLOY® NG-1020NM

- Nylon 6
- 20% Glass Fiber Reinforced/Impact Modified
- Natural

| PROPERTY                             | METHOD     | UNIT                     | RESULT                         |
|--------------------------------------|------------|--------------------------|--------------------------------|
| <b>MECHANICAL</b>                    |            |                          |                                |
| Tensile Strength                     | ASTM D638  | kg/cm <sup>2</sup> (MPa) | 840 (82.43)                    |
| Elongation                           | ASTM D638  | %                        | 3                              |
| Flexural Strength                    | ASTM D790  | kg/cm <sup>2</sup> (MPa) | 1300 (127.58)                  |
| Flexural Modulus                     | ASTM D790  | kg/cm <sup>2</sup> (MPa) | 4.45x10 <sup>4</sup> (4367.03) |
| IZOD Impact, Notched 1/8" 23°C       | ASTM D256  | kg-cm/cm (J/M)           | 32 (313.73)                    |
| 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 | -                        | -                              |
| <b>THERMAL</b>                       |            |                          |                                |
| Heat Deflection Temp                 | ASTM D648  |                          |                                |
| (18.6kg/cm <sup>2</sup> ) (1.82MPa)  |            | °C                       | 200                            |
| (4.6kg/cm <sup>2</sup> ) (0.46MPa)   |            | °C                       | -                              |
| <b>OTHER</b>                         |            |                          |                                |
| Density                              | ASTM D792  | g/cm <sup>3</sup>        | 1.206                          |
| Mold Shrinkage                       | ASTM D955  |                          | -                              |
| Normal                               |            | %                        | 1                              |
| Parallel                             |            | %                        | 0.58                           |
| Moisture Contents                    | -          | %                        | -                              |
| <b>REMARK</b>                        |            |                          |                                |
| (1) This data is for reference only. |            |                          |                                |