



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> NS-0100B-1

• Nylon 6 • Impact Modified • Black

| PROPERTY                             | METHOD     | UNIT               | RESULT    |
|--------------------------------------|------------|--------------------|-----------|
| <b>MECHANICAL</b>                    |            |                    |           |
| Tensile Strength                     | ASTM D638  | psi                | 7041.25   |
| Elongation                           | ASTM D638  | %                  | 45        |
| Flexural Strength                    | ASTM D790  | psi                | 10668.56  |
| Flexural Modulus                     | ASTM D790  | psi                | 300142.25 |
| IZOD Impact, Notched 1/8" 73.4°F     | ASTM D256  | ft-lb/in           | 11.01     |
| IZOD Impact, Notched 1/8" -4°F       | ASTM D256  | ft-lb/in           | -         |
| Hardness Rockwell R Scale            | ASTM D785  | -                  | -         |
| Hardness Shore D                     | ASTM D2240 | -                  | D-74      |
| <b>THERMAL</b>                       |            |                    |           |
| Heat Deflection Temp                 | ASTM D648  |                    |           |
| 264 psi                              |            | °F                 | -         |
| 66 psi                               |            | °F                 | -         |
| <b>OTHER</b>                         |            |                    |           |
| Density                              | ASTM D792  | lb/in <sup>3</sup> | 0.0337    |
| Mold Shrinkage                       | ASTM D955  |                    | -         |
| Normal                               |            | %                  | 1.35      |
| Parallel                             |            | %                  | 1.13      |
| Moisture Contents                    | -          | %                  | -         |
| <b>REMARK</b>                        |            |                    |           |
| (1) This data is for reference only. |            |                    |           |