



# NYTEX COMPOSITES CO., LTD.

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## Product Information

## NYLOY<sup>®</sup> D-0700N

- PC/ABS
- High Impact
- Natural

| PROPERTY  | METHOD     | UNIT                     | RESULT                          |
|---|------------|--------------------------|---------------------------------|
| <b>MECHANICAL</b>   |            |                          |                                 |
| Tensile Strength  | ASTM D638  | kg/cm <sup>2</sup> (MPa) | 510 (50.05)                     |
| Elongation  | ASTM D638  | %                        | 35                              |
| Flexural Strength   | ASTM D790  | kg/cm <sup>2</sup> (MPa) | 790 (77.53)                     |
| Flexural Modulus  | ASTM D790  | kg/cm <sup>2</sup> (MPa) | 2.20 x10 <sup>4</sup> (2158.98) |
| IZOD Impact, Notched 1/8" 23°C  | ASTM D256  | kg-cm/cm (J/M)           | 52 (509.8)                      |
| IZOD Impact, Notched 1/8" -20°C   | ASTM D256  | kg-cm/cm (J/M)           | 35 (343.14)                     |
| Hardness Rockwell R Scale   | ASTM D785  | -                        | -                               |
| Hardness Shore D  | ASTM D2240 | -                        | D-82                            |
| <b>THERMAL</b>  |            |                          |                                 |
| Heat Deflection Temp  | ASTM D648  |                          |                                 |
| (18.6kg/cm <sup>2</sup> ) (1.82MPa)   |            | °C                       | -                               |
| (4.6kg/cm <sup>2</sup> ) (0.46MPa)  |            | °C                       | 125                             |
| <b>ELECTRICAL</b>   |            |                          |                                 |
| Arc Resistance  | ASTM D495  | sec                      | -                               |
| CTI,solution A  | IEC 60112  | -                        | -                               |
| <b>OTHER</b>  |            |                          |                                 |
| Density   | ASTM D792  | g/cm <sup>3</sup>        | 1.14                            |
| Mold Shrinkage <sup>(2)</sup>   | ASTM D955  | x10 <sup>-3</sup> mm/mm  | 5-7                             |
| Moisture Contents   | -          | %                        | -                               |
| Flammability  | UL-94      | 1.6mm                    | -                               |
|   | UL-94      | 3.2mm                    | -                               |
| <b>REMARK</b>   |            |                          |                                 |
| <sup>(1)</sup> This data is for reference only.   |            |                          |                                 |
| <sup>(2)</sup> Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm. |            |                          |                                 |