

# NYLOY® UB-0010N C35N2B

Polyamide

Nytex Composites Co., Ltd.

## Message:

NYLOY® UB-0010N C35N2B is a Polyamide material filled with 35% carbon fiber. It is available in Asia Pacific or North America. Primary attribute of NYLOY® UB-0010N C35N2B: Heat Resistant.

| General Information                               |                                   |                   |             |
|---------------------------------------------------|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Carbon Fiber,35% Filler by Weight |                   |             |
| Features                                          | High Heat Resistance              |                   |             |
| Appearance                                        | Black                             |                   |             |
| Physical                                          | Nominal Value                     | Unit              | Test Method |
| Density                                           | 1.31                              | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 |                                   |                   | ISO 294-4   |
| Across Flow                                       | 0.45                              | %                 |             |
| Flow                                              | 0.14                              | %                 |             |
| Mechanical                                        | Nominal Value                     | Unit              | Test Method |
| Tensile Modulus                                   | 27200                             | MPa               | ISO 527-2   |
| Tensile Stress                                    | 240                               | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 1.8                               | %                 | ISO 527-2   |
| Flexural Modulus                                  | 19500                             | MPa               | ISO 178     |
| Flexural Stress                                   | 340                               | MPa               | ISO 178     |
| Impact                                            | Nominal Value                     | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)             | 7.5                               | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                           | Nominal Value                     | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 227                               | °C                | ISO 75-2/A  |

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## Recommended distributors for this material

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