INEOS STYROLUTION

# Terblend N NG-06EF

TECHNICAL DATASHEET

## DESCRIPTION

  Terblend® N NG-06EF is a 30% glass fiber reinforced UV-stabilized ABS/PA blend with highest dimensional stability, rigidity and good flowability.  

| Property, Test Condition | Standard | Unit | Values |
|---|---|---|---|
| Rheological Properties | | | |
| Melt Volume Rate, 240 °C/10 kg | ISO 1133 | cm³/10 min | 13 |
| Mechanical Properties | | | |
| Tensile Modulus | ISO 527 | MPa | 7500 |
| Tensile Stress at Break, 23 °C | ISO 527 | MPa | 92 |
| Tensile Strain at Break, 23 °C | ISO 527 | % | 3.7 |
| Tensile Stress at Yield, 23 °C | ISO 527 | MPa | 93 |
| Flexural Modulus, 23 °C | ISO 178 | MPa | 5700 |
| Flexural Strength, 23 °C | ISO 178 | MPa | 132 |
| Charpy Notched Impact Strength, 23° C | ISO 179/1eA | kJ/m² | 15 |
| Charpy Notched Impact Strength, -30 °C | ISO 179/1eA | kJ/m² | 8 |
| Charpy Unnotched, 23 °C | ISO 179/1eU | kJ/m² | 57 |
| Charpy Unnotched, -30 °C | ISO 179/1eU | kJ/m² | 55 |
| Thermal Properties | | | |
| Vicat Softening Temperature VST/B/50 (50N, 50 °C/h) | ISO 306 | °C | 140 |
| Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa) | ISO 75 | °C | 135 |
| Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa) | ISO 75 | °C | 197 |
| Other Properties | | | |
| Density | ISO 1183 | kg/m³ | 1290 |
| Moisture Absorption, Equilibrium 23 °C/50% RH | ISO 62 | % | 0.9 |
| Water Absorption, Saturated at 23 °C | ISO 62 | % | 3.9 |

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| Property, Test Condition | Standard | Unit | Values |
|---|---|---|---|
| Glass Fibre content | - | % | 30 |
| UL94 rating at 1.5 mm thickness | IEC 60695-11-10 | - | HB |
| **Processing** | | | |
| Melt Temperature Range | ISO 294 | °C | 240 - 270 |
| Mold Temperature Range | ISO 294 | °C | 60 - 80 |
| Drying Temperature | - | °C | 80 - 90 |
| Drying Time | - | h | 4 - 8 |
| Molding shrinkage, free, longitudinal | - | % | 0.2 - 0.3 |

Typical values for uncolored products

## DISCLAIMER

The aforementioned data shall constitute the agreed contractual quality of the product sold by INEOS Styrolution at the time of passing of risk. INEOS Styrolution does not make any further warranty, representation or guarantee of any kind, express or implied, regarding the suitability of the product for any particular purpose or application and INEOS Styrolution disclaims all liability in connection therewith. The customer himself is required to verify whether or not the product is suitable for the further processing or application intended and whether or not the product complies with the relevant statutory requirements. Unless explicitly and individually otherwise agreed in writing, INEOS Styrolution's sole and exclusive liability with respect to its products is set forth in INEOS Styrolution's General Terms and Conditions for Sale.

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