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

Contact us:
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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
Please note that all processing data stated are only indicative and may vary depending on the individual processing complexities.
Please consult our local sales or technical representatives for details.

DISCLAIMER

The above mentioned data are accurate to the best of our knowledge. They are based upon reputable labs and industry standard testing methods. These are only typical values and actual product specification may deviate at industrial range. Therefore, no data in this technical data sheet shall constitute a warranty or representation regarding product features, fitness of the product for a specific purpose or application or its processability. 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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