

Terblend N NG-06EF

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TECHNICAL DATASHEET

DESCRIPTION

The product line Terblend® N, comprising blends of ABS with PA 6, provides very good mechanical properties, a high melt flow, and very good chemical resistance provided by the polyamide component. Parts from Terblend® have acoustic dampening properties and show in unpainted, textured surfaces a nice matt appearance. Terblend® N NG-06EF is a low emission 30% glass fiber reinforced "Enhanced Flow" grade, containing also a powerful UV package. The reinforcement provides a highest heat performance and stiffness, for demanding structural parts.

FEATURES

- Chemical resistance
- Dimensional stability
- Heat resistance
- Reinforcement

APPLICATIONS

- Painted/ decorated Automotive interior: glove boxes, centre consoles, instrument panel trims
- Toys, sports & leisure
- Extruded sheets & profiles

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate, 240 °C/10 kg	ISO 1133	cm³/10 min	13
Mechanical Properties			
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
Tensile Modulus	ISO 527	MPa	7500
Tensile Stress at Yield, 23 °C	ISO 527	MPa	93
Tensile Stress at Break, 23 °C	ISO 527	MPa	92
Tensile Strain at Break, 23 °C	ISO 527	%	3.7
Flexural Modulus, 23 °C	ISO 178	MPa	5700
Flexural Strength, 23 °C	ISO 178	MPa	132
Hardness, Ball Indentation	ISO 2039-1	MPa	132
Thermal Properties			

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Property, Test Condition	Standard	Unit	Values
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
Coefficient of Linear Thermal Expansion	ISO 11359	10 ⁻⁶ /°C	35 (long)/ 120 (trans)
Other Properties			
Density	ISO 1183	kg/m ³	1290
Glass Fibre content	-	%	30
UL94 rating at 1.5 mm thickness	IEC 60695-11-10	-	HB
Glow wire test (GWFI), 2.0 mm	IEC 60695-2-12	°C	650
Water Absorption, Saturated at 23 °C	ISO 62	%	3.9
Moisture Absorption, Equilibrium 23 °C/50% RH	ISO 62	%	0.9
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