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

INEOS STYROLUTION

Terblend N NG-06EF

TECHNICAL DATASHEET

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