

Product Texts

Terblend® N NG-06EF is a blend 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® NG-04EF 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.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
^[C] Density of melt	1150	kg/m ³	-
^[C] Thermal conductivity of melt	0.25	W/(m K)	-
^[C] Spec. heat capacity of melt	2130	J/(kg K)	-
^[C] Ejection temperature	178	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7500	MPa	ISO 527
^[C] Stress at break	93	MPa	ISO 527
^[C] Strain at break	3.7	%	ISO 527
Flexural modulus, 23°C	5700	MPa	ISO 178
Flexural strength	132	MPa	ISO 178
^[C] Charpy impact strength, +23°C	57	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	55	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
Ball indentation hardness	132	MPa	ISO 2039-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	135	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	197	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	140	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	35	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	3.9	%	Sim. to ISO 62
^[C] Humidity absorption	0.9	%	Sim. to ISO 62
^[C] Density	1290	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4 - 8	h	-
Melt temperature	240 - 270	°C	-
Mold temperature	40 - 80	°C	-

Terblend® N NG-06EF

(PA6+ABS)-GF30

INEOS Styrolution

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4 - 8	h	-
Melt temperature	240 - 270	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion

Chemical Resistance

General Chemical Resistance

Delivery form

Pellets

Applications

Automotive, Sports Equipment, Toys

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Features

Acoustical Barrier Properties, Low Emission

Other text information**Injection molding**

PREPROCESSING

Pre-drying, Temperature: 80 - 90°C

Pre-drying, Time: 4 - 8 h

PROCESSING

Melt temperature, range: 240 - 270 °C

Mold temperature, range: 40 - 80 °C