

**Product Texts**

Terblend® N,NG-02EF 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-02EF have acoustic dampening properties and show in unpainted, textured surfaces a nice matt appearance. Terblend® N NG-02EF is a low emission 8% glass fiber reinforced "Enhanced Flow" grade, containing also a powerful UV package. The reinforcement provides a higher heat performance and is invisible in combination with most automotive surface textures.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	40 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	240 / *	°C	-
Load	10 / *	kg	-
<sup>[C]</sup> Thermal conductivity of melt	0.25	W/(m K)	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	3100 / 2400	MPa	ISO 527
<sup>[C]</sup> Yield stress	55 / 40	MPa	ISO 527
<sup>[C]</sup> Yield strain	3 / 4	%	ISO 527
<sup>[C]</sup> Nominal strain at break	6 / 12	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	30 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	35 / -	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	11 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	6 / -	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	97 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	171 / *	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	118 / *	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
<sup>[C]</sup> Humidity absorption	1.1 / *	%	Sim. to ISO 62
<sup>[C]</sup> Density	1120 / -	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	240 - 270	°C	-
Mold temperature	40 - 80	°C	-

**Characteristics****Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion

**Delivery form**

Pellets

**Special Characteristics**

Light stabilized or stable to light, 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

**Other text information**

**Injection molding**

PREPROCESSING

Pre-drying Temperature: 80 - 90°C

Pre-drying Time: 4 - 8h

PROCESSING

Melt temperature, range: 240 - 270°C

Mold temperature, range: 40 - 80°C