

Terblend® N NG-02 EF is a glass fibre reinforced, UV stabilised ABS/PA blend with excellent dimensional stability and high impact strength. The enhanced flowability enables excellent processability and surface appearance.

Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	40 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	240 / *	°C	-
Load	10 / *	kg	-
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3100 / 2400	MPa	ISO 527
Yield stress	55 / 40	MPa	ISO 527
Yield strain	3 / 4	%	ISO 527
Nominal strain at break	6 / 12	%	ISO 527
Impact Strength (Charpy), +23°C	50 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy), -30°C	35 / 35	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	11 / 25	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	6 / 6	kJ/m <sup>2</sup>	ISO 179/1eA

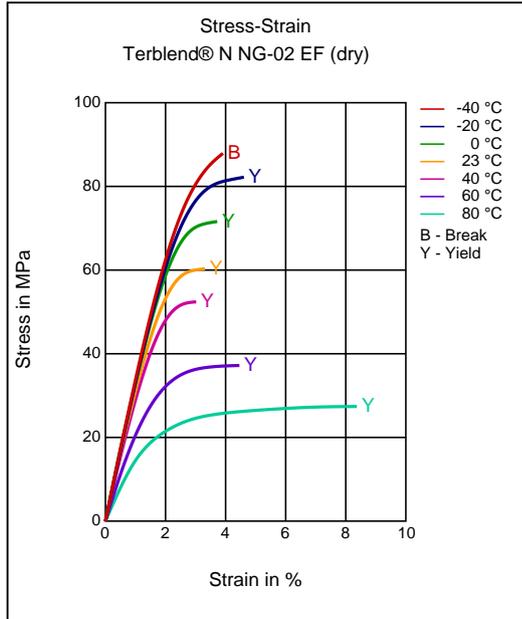
Thermal Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load (1.80 MPa)	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	130 / *	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	118 / *	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB / *	class	UL 94
Thickness tested	1.6 / *	mm	-

Electrical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	3.4 / 3.8	-	IEC 62631-2-1
Dissipation Factor, 1MHz	180 / 900	E-4	IEC 62631-2-1
Volume Resistivity	1E13 / 1E11	Ohm*m	IEC 62631-3-1
Surface Resistivity	* / 1E14	Ohm	IEC 62631-3-2

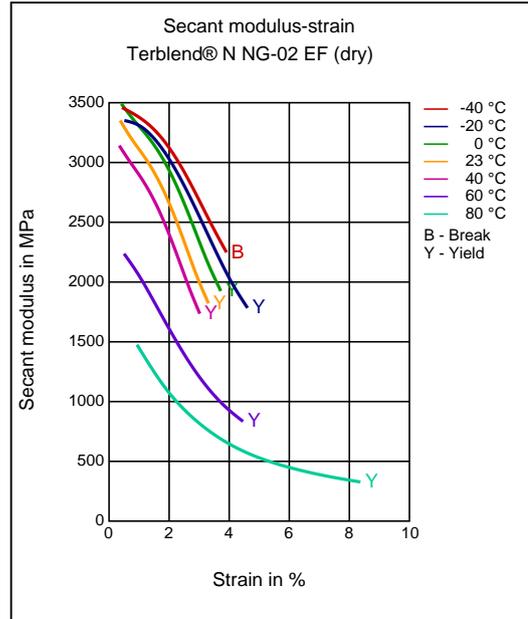
Other Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Humidity absorption	1.3 / *	%	Sim. to ISO 62
Density	1120 / -	kg/m <sup>3</sup>	ISO 1183

**Diagrams**

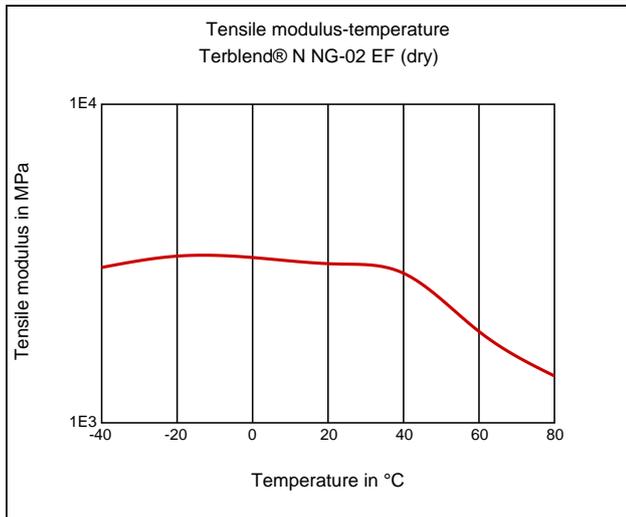
**Stress-strain**



**Secant modulus-strain**



**Tensile Modulus-Temperature**



**Characteristics**

**Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion

**Delivery form**

Pellets

**Special Characteristics**

Light stabilized or stable to light, UV stabilized, Heat aging stabilized

**Injection Molding**

**PREPROCESSING**

Pre/Post-processing, Pre-drying, Temperature: 80 °C

Pre/Post-processing, Pre-drying, Time: 2 - 4 h

#### PROCESSING

injection molding, Melt temperature, range: 240 - 270 °C  
injection molding, Melt temperature, recommended: 260 °C  
injection molding, Mold temperature, range: 40 - 80 °C  
injection molding, Mold temperature, recommended: 60 °C

#### Disclaimer

##### Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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