

Product Texts

Terblend® N NM-21EF 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® NM-21EF have acoustic dampening properties and show in unpainted, textured surfaces a nice matt appearance. Terblend® N NM-21EF "Enhanced Flow" does not only provide a very high melt flow but contains also a powerful UV package. Superior mechanical properties together with the low emission profile make it suitable for unpainted, interior surfaces with high demand for colour fastness e.g. in automotive.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	65 / *	cm ³ /10min	ISO 1133
Temperature	240 / *	°C	-
Load	10 / *	kg	-
^[C] Density of melt	950	kg/m ³	-
^[C] Thermal conductivity of melt	0.265	W/(m K)	-
^[C] Spec. heat capacity of melt	2370	J/(kg K)	-
^[C] Ejection temperature	90	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2100 / 1400	MPa	ISO 527
^[C] Yield stress	45 / 36	MPa	ISO 527
^[C] Yield strain	3.1 / 5	%	ISO 527
^[C] Nominal strain at break	25 / 50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	70 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	12 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	86 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	98 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	110 / *	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	1.3 / *	%	Sim. to ISO 62
^[C] Density	1070 / -	kg/m ³	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

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