

Product Texts

Terblend® N,NM-11 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 NM-11 provides balanced properties and keeps its high impact properties also in combination with a very high concentration of colorants. Its rather low melt flow makes it also well suitable for extrusion applications.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	30 / *	cm ³ /10min	ISO 1133
Temperature	240 / *	°C	-
Load	10 / *	kg	-
^[C] Density of melt	928	kg/m ³	-
^[C] Thermal conductivity of melt	0.15	W/(m K)	-
^[C] Spec. heat capacity of melt	2410	J/(kg K)	-
^[C] Ejection temperature	90	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2000 / 1400	MPa	ISO 527
^[C] Yield stress	43 / 34	MPa	ISO 527
^[C] Yield strain	3.5 / 5.5	%	ISO 527
^[C] Nominal strain at break	>50 / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	65 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	15 / -	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	85 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	97 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	102 / *	°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	1.2 / *	%	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

Special Characteristics

Anti-static

Delivery form

Pellets

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