NNB 40 NL RM

PA6 Melos GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**1.1**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.1**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3000**	MPa	ISO 527
Yield stress	**80**	MPa	ISO 527
Yield strain	**4**	%	ISO 527
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**6**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**5**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**5**	kJ/m²	ISO 180/1A
Izod notched impact strength	**4**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**223**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**65**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**185**	°C	ISO 75-1/-2
Vicat softening temperature, B	**200**	°C	ISO 306
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.2**	mm	-
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
Thickness tested	**1.6**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	**1E13**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2
Comparative tracking index	**600**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	**9**	%	Sim. to ISO 62
Humidity absorption	**3**	%	Sim. to ISO 62
Density	**1140**	kg/m³	ISO 1183

Characteristics

Features

Thermal Stability, Tribologic Grade

Applications

Automotive, Electrical and Electronical

Chemical Resistance

General Chemical Resistance

Regional Availability

Europe