

NB40 NL IH

PA6

Melos GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.5	%	ISO 294-4, 2577
Molding shrinkage, normal	1.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	1500	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	5	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	85	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	25	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	80	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	25 -30	kJ/m ² °C	ISO 180/1A -
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	223	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	50	°C	ISO 75-1/-2
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			
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			
Water absorption	8	%	Sim. to ISO 62
Humidity absorption	2.3	%	Sim. to ISO 62
Density	1040	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

High impact or impact modified

Features

Thermal Stability

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe