

**NA40 NL XA20**

PA66

Melos GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	4000	MPa	ISO 527
Stress at break	80	MPa	ISO 527
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	40	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	3	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	3	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	262	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	230	°C	ISO 75-1/-2
Vicat softening temperature, B	245	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Comparative tracking index	250	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	6.5	%	Sim. to ISO 62
Humidity absorption	2.2	%	Sim. to ISO 62
Density	1350	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Flame retardant

**Features**

Thermal Stability

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Europe