NA40 NL IL

PA66 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	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2300**	MPa	ISO 527
Yield stress	**65**	MPa	ISO 527
Yield strain	**5**	%	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	**35**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**15**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**30**	kJ/m²	ISO 180/1A
Izod notched impact strength	**15**	kJ/m²	ISO 180/1A
Temperature	**-30**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**70**	°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	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	**6.5**	%	Sim. to ISO 62
Humidity absorption	**2.2**	%	Sim. to ISO 62
Density	**1090**	kg/m³	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