

Product Texts

Very high impact modified PA 66

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	1800 / 600	MPa	ISO 527
^[C] Yield stress	50 / 30	MPa	ISO 527
^[C] Yield strain	6 / 32	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	N / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	80 / 120	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	25 / -	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	60 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	135 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	175 / *	°C	ISO 306
^[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 / *	-	-

ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1060 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	60 - 100	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Additives

Release agent, Plasticizer

Other text information

Injection molding

PREPROCESSING; Pretreatment

Predrying: 4-6h / 80°C

PROCESSING ;Processing:

Melttemperature 280 - 300 °C

Mouldtemperature 60 - 100 °C