PROVISIONAL TECHNICAL DATA SHEET

MEXMID 66 HI NC

Polyamide 6,6 unfilled, high impact

MP 8.3.5 F2-2

PROPERTIES	Method	Unit	Typical Values
PHYSICAL			
Melt Density	internal	g/ml (g/cm3)	**1,08**
Moulding shrinkage, parallel	ISO 294-4	%	**1,4÷1,8**
Humidity absorption, 2mm	ISO 62	%	**2,0**
Rockwell Hardness	ASTM D785	-	**110R**
Resin Identification	ISO1043	-	**PA66-HI**
Part Marking Code	ISO11469	-	**>PA66-HI<**
ISO Designation	ISO 16396-PA66-I,,M1G1L1NR,S14-020		
MECHANICAL			
Yield stress	ISO 527	MPa	**52**
Yield stain	ISO 527	%	**6**
Tensilel Modulus	ISO 527	MPa	**1900**
Flexural Strenght	ISO 179	MPa	**66**
IZOD Impact strength, notched (23°C)	ISO 180	KJ/m^2	**80**
IZOD Impact strength, notched (-30°C)	ISO 180	KJ/m^2	**20**
THERMAL			
HDT 1,82 Mpa (Method A)	ISO 75	°C	**66**
Melting temperature, 10°C/min	ISO 11357-1/-3	°C	**262**
Glass transition temperature, 10°C/min	ISO 11357-1/-2	°C	**75**
FLAME RESISTANCE			
Oxygen Index (LOI)	ASTM D2863	%	**-**
Flame resistance (3,2 mm)	UL94	Class	**HB**
Glow Wire Flammability Index, 0.75mm	IEC 60695-2-12	°C	**725**
PROCESSING CONDITIONS			
Cylinder temperature	-	°C	**275 ÷ 295**
Die	-	°C	**60÷120**
Back pressure	-	bar	**750 - 1250**
Injection speed	-	-	**medium-high**
Ejection temperature		°C	**190**
Drying process	-	hours - °C	**4h/90°C**