



Document	ISO Datasheet
Description	PC
Grade	DAFNELOY MB
Code	
Application	Injection moulding

Unfilled. Medium viscosity. Good mechanical characteristics.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (300°C - 1,20 Kg)	ISO 1133	g/10'	12
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,20
Mould Shrinkage (%)	INTERNAL	%	0,5-0,7
Water absorption	ISO 62	%	0,10
<b>Thermal</b>			
Vicat A50	ISO 306	°C	153
Vicat B50	ISO 306	°C	145
Ball Pressure Test	IEC 60695-10-2	°C	125
Maximum service temperature	IEC 216	°C	120
Short time temperature limit	IEC 216	°C	140
HDT, A (1.80 MPa)	ISO 75/Af	°C	127
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2500
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	100
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	65
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	>100
Rockwell hardness (M scale)	ISO 2039-2		50
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	65
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	850
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	850
Flammability class (3,2 mm)	UL94		HB

Electrical			
Comparative tracking index CTI	IEC 60112	V	200
Processing Conditions			
Melt Temperature Range	ISO 294	°C	260-300
Mold Temperature Range	ISO 294	°C	80-100
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	120-130
Drying Time		Hour	3
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:			
Water contact approvals.			
Food contact status:			

§ Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 4.0 x 10.0 x 170 mm sample.

#### Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

The value above is the representative value of the NP standard and may have deviation. It can only be used for selecting materials and shall not be regarded as a material specification and cannot be used for molding designs. Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (1) materials, (2) products, and/or (3) design that utilizes recommendations or proposals, of Sirmax. Furthermore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect.

Whether materials and/or products of Sirmax and/or a design that uses or utilizes Sirmax recommendations or proposals are (is) compatible with individual uses shall be determined solely by each user and such user shall be solely responsible for any results, including but not limited to, any and all loss and damages incurred due to such uses. Users must implement and verify all testing and analyses for proving the safety and compatibility of final products that have been created or altered by using Sirmax's materials or products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification.