

Document	ISO Datasheet
Description	PC
Grade	DAFNELOY MXF P02
Code	
Application	Electric housing, boxes and covers, sockets, plugs, light systems.

PC 10% glass fibers reinforced, flame retardant, halogens free, UL94 V0 1,6 mm.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (300°C - 1,20 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm ³	1,26-1,30
Mould Shrinkage (%)	INTERNAL	%	0,2-0,6
Thermal			
Vicat A50	ISO 306	°C	126
Vicat B50	ISO 306	°C	120
Ball Pressure Test	IEC 60695-10-2	°C	125
HDT, A (1.80 MPa)	ISO 75/Af	°C	105
HDT, B (0.45 MPa)	ISO 75/Af	°C	115
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3200
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	97
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	3300
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	45
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	>10
Rockwell hardness (M scale)	ISO 2039-2		50
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	7
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	7
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	150
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	960
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	960
Flammability class (1,6 mm)	UL94		V0

Flammability class (3,2 mm)	UL94		V0
Electrical			
Comparative tracking index CTI	IEC 60112	V	200
Processing Conditions			
Melt Temperature Range	ISO 294	°C	270-300
Mold Temperature Range	ISO 294	°C	100-120
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°:	QMFZ2.E220931		
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.

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