



Code	
Grade	DAFNE LAC SF/B DARK COLOR MATT
Polymer	ABS
Application	Injection moulding

ABS good flow, low gloss appearance. Antistatic. UV stabilized.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	30
Density at 23°C	ISO 1183	g/cm ³	1,04
Mould Shrinkage (%)	INTERNAL	%	0,3-0,6
Thermal			
Vicat A50	ISO 306	°C	104
Vicat B50	ISO 306	°C	95
Ball Pressure Test	IEC 60695-10-2	°C	75
HDT, A (1.80 MPa)	ISO 75/Af	°C	75
HDT, B (0.45 MPa)	ISO 75/Af	°C	90
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2400
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	55
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	2350
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	35
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	50
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	10
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	10
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	100
Rockwell hardness (R scale)	ISO 2039-2		104
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	650
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	650
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	675
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 60695-2-13	°C	675
Flammability class (1,5 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	10E15
Volume resistivity	IEC 60093	Ohm*m	10E15
Comparative tracking index CTI	IEC 60112	V	600
Processing Conditions			

Melt Temperature Range	ISO 294	°C	210-240
Mold Temperature Range	ISO 294	°C	50-80
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	70-80
Drying Time		Hour	0,5-2

Regulations compliance

RoHS compliance status: **COMPLIANT**

EN71:

UL listed file n°: **QMFZ2.E220931**

Water contact approvals.

Food contact status:

Revision number/date: 0 mar 17

§ 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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