

Document	ISO Datasheet
Description	ASA
Grade	DAFNELAC AS2B
Code	
Application	Structure for rear mirror, parts for dentist's equipments, electric covers.

ASA high flow, good mechanical properties. Antistatic. UV stabilized.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	30
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,07
Mould Shrinkage (%)	INTERNAL	%	0,4-0,7
<b>Thermal</b>			
Vicat A50	ISO 306	°C	102
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
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2300
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	70
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	47
Tensile elong. at yield (23°C-50 mm/min)	ISO 527-2	%	6
Rockwell hardness (L scale)	ISO 2039-2		70
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	10
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	9
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	100
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	650
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 60695-2-12	°C	650
Flammability class (1,6 mm)	UL94		HB
Flammability class (3,2 mm)	UL94		HB

Electrical			
Surface resistivity	IEC 60093	Ohm	10E13
Volume resistivity	IEC 60093	Ohm*m	10E12
Comparative tracking index CTI	IEC 60112	V	600
Processing Conditions			
Melt Temperature Range	ISO 294	°C	240-260
Mold Temperature Range	ISO 294	°C	50-60
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	70-80
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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