Document	ISO Datasheet
Description	ABS
Grade	DAFNELAC FXC
Code	
Application	Injection moulding

High flow, good mechanical properties.Flame Retardant grade With halogens.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	40
Density at 23°C	ISO 1183	g/cm3	1,18-1,20
Mould Shrinkage (%)	INTERNAL	%	0,4-0,6
Water absorption	ISO 62	%	0,30
Thermal			
Vicat A50	ISO 306	°C	95
Vicat B120	ISO 306	°C	90
Ball Pressure Test	IEC 60695-10-2	°C	75
HDT, A (1.80 MPa)	ISO 75/Af	°C	69
HDT, B (0.45 MPa)	ISO 75/Af	°C	78
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2500
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	70
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	42
Tensile elong. at yield (23°C-50 mm/min)	ISO 527-2	%	7
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	11
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	11
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	100
Rockwell hardness (R scale)	ISO 2039-2		92
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
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	750

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GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 60695-2-13	°C	750
Flammability class (1,0 mm)	UL94		V1
Flammability class V0-5VA (1,7 mm)	UL94		V0-5VA
Flammability class V0-5VA (3,0 mm)	UL94		V0-5VA
Electrical			
Surface resistivity	IEC 60093	Ohm	10E15
Volume resistivity	IEC 60093	Ohm*m	10E15
Comparative tracking index CTI	IEC 60112	V	450
Processing Conditions			
Melt Temperature Range	ISO 294	°C	200-230
Mold Temperature Range	ISO 294	°C	60-80
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 nº:	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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