



Code

Grade DAFNELAC FXC B

Polymer ABS

Application Injection moulding

Good mechanical properties. No blooming product. Antistatic. UV stabilized. 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/cm ³	1,18-1,20
Mould Shrinkage (%)	INTERNAL	%	0,4-0,6
Water absorption	ISO 62	%	0,3
Thermal			
Vicat A50	ISO 306	°C	98
Vicat B50	ISO 306	°C	90
Ball Pressure Test	IEC 60695-10-2	°C	85
HDT, A (1.80 MPa)	ISO 75/Af	°C	70
HDT, B (0.45 MPa)	ISO 75/Af	°C	80
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	65
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	2400
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	35
Tensile elong. at yield (23°C-50 mm/min)	ISO 527-2	%	3,5
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	11
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	11
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	100
Rockwell hardness (R scale)	ISO 2039-2		95
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
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			

Comparative tracking index CTI	IEC 60112	V	450
Processing Conditions			
Melt Temperature Range	ISO 294	°C	190-220
Mold Temperature Range	ISO 294	°C	50-70
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: 1 may 19

§ 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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