



Document	ISO Datasheet
Description	ABS
Grade	DAFNELAC KE
Code	
Application	Injection moulding and extrusion

Good mechanical properties even at low temperature.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	5
Density at 23°C	ISO 1183	g/cm ³	1,04
Mould Shrinkage (%)	INTERNAL	%	0,4-0,6
Water absorption	ISO 62	%	0,05
Thermal			
Vicat A50	ISO 306	°C	100
Vicat B50	ISO 306	°C	92
Ball Pressure Test	IEC 60695-10-2	°C	75
HDT, A (1.80 MPa)	ISO 75/Af	°C	85
HDT, B (0.45 MPa)	ISO 75/Af	°C	91
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2200
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	65
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	40
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	48
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	25
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	25
Rockwell hardness (R scale)	ISO 2039-2		95
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
Flammability class (3,0 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
Drying Temperature		°C	70-80
Drying Time		Hour	0,5-2
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:			
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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