



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

Very good heat resistance, medium impact resistance and good processing.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	6
Density at 23°C	ISO 1183	g/cm ³	1,05
Mould Shrinkage (%)	INTERNAL	%	0,4-0,7
Thermal			
Vicat A50	ISO 306	°C	117
Vicat B50	ISO 306	°C	110
Ball Pressure Test	IEC 60695-10-2	°C	105
HDT, B (0.45 MPa)	ISO 75/Af	°C	105
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2800
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	80
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	50
Tensile elong. at yield (23°C-50 mm/min)	ISO 527-2	%	>15
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	11
Izod notched impact strength (-30°C) ISO	ISO 180/1A	KJ/m ²	7
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	11
Charpy notched impact strength (-30°C)	ISO 179/1eA	KJ/m ²	6
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	100
Charpy unnotched impact strength (-30°C)	ISO 179/1eU	KJ/m ²	80
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 (1,5 mm)	UL94		HB

Electrical			
Surface resistivity	IEC 60093	Ohm	10E13
Volume resistivity	IEC 60093	Ohm*m	10E15
Comparative tracking index CTI	IEC 60112	V	600
Processing Conditions			
Melt Temperature Range	ISO 294	°C	220-250
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°:			
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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