Document	ISO Datasheet
Description	SAN
Grade	DAFNELAC NRP
Code	
Application	Injection moulding

Transparent. General purpose.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm3	1,07
Mould Shrinkage (%)	INTERNAL	%	0,4-0,6
Water absorption	ISO 62	%	0,20
Thermal			
Vicat A50	ISO 306	°C	110
Vicat B50	ISO 306	°C	105
Ball Pressure Test	IEC 60695-10-2	°C	65
HDT, A (1.80 MPa)	ISO 75/Af	°C	86
HDT, B (0.45 MPa)	ISO 75/Af	°C	99
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3600
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	100
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	68
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	2,5
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	2,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	2,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	12
Rockwell hardness (R scale)	ISO 2039-2		120
Flammability			
Flammability class (1,6 mm)	UL94		HB
Flammability class (3,2 mm)	UL94		HB
Electrical			

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Surface resistivity	IEC 60093	Ohm	1x10E14
Volume resistivity	IEC 60093	Ohm*m	1x10E15
Comparative tracking index CTI	IEC 60112	V	600
Processing Conditions			
Melt Temperature Range	ISO 294	°C	200-230
Mold Temperature Range	ISO 294	°C	40-60
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	70-80
Drying Time		Hour	0,5-2
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file nº:			
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.