

Document	ISO Datasheet
Description	SAN
Grade	DAFNELAC NRP
Code	
Application	Window's profiles, cover and boxer for cosmetic sector.

SAN general purpose for injection moulding, for transparent and solid colors.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,07
Mould Shrinkage (%)	INTERNAL	%	0,4-0,6
Water absorption	ISO 62	%	0,20
<b>Thermal</b>			
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
<b>Mechanical at 23 °C</b>			
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/m <sup>2</sup>	2,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	2,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	12
Rockwell hardness (R scale)	ISO 2039-2		120
<b>Flammability</b>			
Flammability class (1,6 mm)	UL94		HB
Flammability class (3,2 mm)	UL94		HB
<b>Electrical</b>			

Surface resistivity	IEC 60093	Ohm	1x10E14
Volume resistivity	IEC 60093	Ohm*m	1x10E15
Comparative tracking index CTI	IEC 60112	V	600
<b>Processing Conditions</b>			
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
<b>Regulations compliance</b>			
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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