



Document	ISO Datasheet
Description	SAN
Grade	DAFNELAC NRP P04
Code	
Application	Injection moulding

20% glass fiber. Good stiffness.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Flow Rate (220°C - 10,00 Kg)	ISO 1133	g/10'	9
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,22
Mould Shrinkage (%)	INTERNAL	%	0,1-0,3
<b>Thermal</b>			
Vicat A50	ISO 306	°C	105
Vicat B50	ISO 306	°C	100
HDT, A (1.80 MPa)	ISO 75/Af	°C	90
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	7500
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	90
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	4
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	3,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	4,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	15
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>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	210-230
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 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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