Dafneloy® V

Document	ISO Datasheet
Description	PBT
Grade	DAFNELOY VXA P06
Code	
Application	Injection moulding

30% glass fibers. Flame Retardant grade with halogens.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (260°C - 2,16 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm3	1,41-1,44
Mould Shrinkage (%)	INTERNAL	%	0,3-0,6
Thermal			
Vicat B50	ISO 306	°C	200
Ball Pressure Test	IEC 60695-10-2	°C	165
HDT, A (1.80 MPa)	ISO 75/Af	°C	165
HDT, B (0.45 MPa)	ISO 75/Af	°C	200
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	4500
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	120
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	5500
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	80
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	4,0
Rockwell hardness (L scale)	ISO 2039-2		100
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	3,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m²	3,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	25
Flammability			
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	700
Flammability class (1,6 mm)	UL94		HB
Electrical			
Comparative tracking index CTI	IEC 60112	V	250

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Processing Conditions			
Melt Temperature Range	ISO 294	°C	240-260
Mold Temperature Range	ISO 294	°C	80-110
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	120-130
Drying Time		Hour	3
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.

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