



Document	ISO Datasheet
Description	GPPS
Grade	DAFNESTIL KU
Code	
Application	Injection moulding

Good fluidity and good heat resistance.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (200°C - 5,00 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm ³	1,05
Mould Shrinkage (%)	INTERNAL	%	0,3-0,6
Water absorption	ISO 62	%	<0,1
Thermal			
Vicat A50	ISO 306	°C	92
Vicat B50	ISO 306	°C	88
HDT, A (1.80 MPa)	ISO 75/Af	°C	74
HDT, A (0.45 MPa)	ISO 75/Af	°C	84
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3200
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	69
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	39
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	1,8
Rockwell hardness (L scale)	ISO 2039-2		70
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	1,7
Flammability			
Glow Wire Flammability Index GWFI (1,5 mm)	IEC 60695-2-12	°C	650
Flammability class (1,5 mm)	UL94		HB
Flammability class (3,0 mm)	UL94		HB
Electrical			
Surface resistivity	IEC 60093	Ohm	>10E15
Volume resistivity	IEC 60093	Ohm*m	>10E15

Comparative tracking index CTI	IEC 60112	V	375
Processing Conditions			
Melt Temperature Range	ISO 294	°C	200-250
Mold Temperature Range	ISO 294	°C	10-50
Injection Velocity	ISO 294		MEDIUM
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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