



Document	ISO Datasheet
Description	PA 66
Grade	DAFNEMID 66XA P05/T
Code	
Application	Injection moulding

25% glass fibers. RTI ratings up to 140°C at 0.8 mm thickness. Heat stabilized. Flame Retardant grade With halogens.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,50-1,55
Mould Shrinkage (%)	INTERNAL	%	0,2-0,5
Thermal			
Vicat A50	ISO 306	°C	245
Vicat B50	ISO 306	°C	230
Ball Pressure Test	IEC 60695-10-2	°C	165
HDT, A (1.80 MPa)	ISO 75/Af	°C	225
HDT, B (0.45 MPa)	ISO 75/Af	°C	250
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	8500
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	200
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	10000
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	120
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	4,5
Rockwell hardness (L scale)	ISO 2039-2		100
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	9
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	9
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	50
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	960
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 60695-2-12	°C	960
Glow Wire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	875

Glow Wire Ignition Temperature GWIT(1,5 mm)	IEC 60695-2-13	°C	930
Glow Wire Ignition Temperature GWIT (3,0 mm)	IEC 60695-2-13	°C	930
Flammability class (0,8 mm)	UL94		V0
Flammability class (3,0 mm)	UL94		V0
Electrical			
Comparative tracking index CTI	IEC 60112	V	400
Processing Conditions			
Melt Temperature Range	ISO 294	°C	280-300
Mold Temperature Range	ISO 294	°C	90
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	80-100
Drying Time		Hour	3
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:	QMFZ2.E220931		
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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