



TECHNICAL DATASHEET

Code : FOR.QUA.06
Version : 00
Date of application : 01-11-2018

HERMAID PA66 2000 GF50

Product Description: Polyamide (PA66), lubricated, 50% glass fiber reinforced.

Properties	Condition	Min/Max	Units	Standards
Physical properties				
Density	23°C	1.55-1.57	g/cm ³	ISO1183
Melt –Flow-Index			-	ISO1133
Humidity	110°C	<=0.1	%	ISO15512
Ash Content	625°C	48-52	%	ISO
Mechanical properties				
Tensile modulus	50mm/min	16500-16600	MPa	ISO 527-2
Tensile stress at break	5mm/min	230-235	MPa	ISO 527-2
Elongation at break	5mm/min	1.5-2	%	ISO 527-2
Flexural modulus	2mm/min	15000-15200	MPa	ISO 178
Flexural strength	5mm/min	360-370	MPa	ISO 178
Izod impact strength	5J	-	Kj/m ²	ISO180
Izod notched impact strength	5J	-	Kj/m ²	ISO180
Charpy impact strength	5.5J	-	Kj/m ²	ISO179/1eU
Charpy notched impact strength	5.5J	30	Kj/m ²	ISO179/1eA
Thermal properties				
Melting and crystallization temperature	10°C/min	260-262	°C	ISO11357-3
HDT /A Heat deflection temperature	1.8MPa	-	°C	ISO 75/1-2
HDT/B Heat deflection temperature	0.45MPa	-	°C	ISO 75/1-2
Vicat : Softening point of materials	-	-	°C	ISO 306
Electrical properties				
Surface resistivity	-	-	Ohm-cm	IEC 60093
Volume resistivity	-	-	Ohm-cm	IEC 60093
Flammability				
Flammability	HB		CLASS	UL94

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Characteristics

- *Delivery from
Pellets,natural color
- *Chemical resistance
General chemical resistance
- *Applications :extrusion,injection molding
Automotive,electrical and electronical,generalpurpose.

Processing properties :

Rear Temperature	285-295°C
Middle Barrel Temperature	290-300°C
Front Barrel Temperature	300-310°C
Nozzle Temperature	300-315°C
Mold Temperature	80-100°C
Drying Temperature	70-80

Packaging & delivery

PE aluminum bag : 25kg/bag (pallet 1000kg)
Note to avoid moisture,insolationand breakage in transportation
Delivery detail : 30 days

Contact :

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