



TECHNICAL DATASHEET

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

HERMAID PA6 1001 GF15

Product Description: Polyamide (PA6), lubricated, 15% glass fiber reinforced.

Properties	Condition	Min/Max	Units	Standards
Physical properties				
Density	23°C	1.24-1.27	g/cm3	ISO1183
Humidity	110°C	<=0.1	%	ISO15512
Ash Content	625°C	13-17	%	ISO 1172
Mechanical properties				
Tensile modulus	50mm/min	6500-6700	MPa	ISO 527-2
Tensile stress at break	5mm/min	130-140	MPa	ISO 527-2
Elongation at break	5mm/min	2.2-2.4	%	ISO 527-2
Flexural modulus	2mm/min	5200-5300	MPa	ISO 178
Flexural strength	5mm/min	165-170	MPa	ISO 178
Izod impact strength	5J	-	Kj/m2	ISO180
Izod notched impact strength	5J	-	Kj/m2	ISO180
Charpy impact strength	5.5J	40-50	Kj/m2	ISO179/1eU
Charpy notched impact strength	5.5J	5-6	Kj/m2	ISO179/1eA
Thermal properties				
Melting and crystallization temperature	10°C/min	220-222	°C	ISO11357-3
HDT /A Heat deflection temperature	1.8MPa	204	°C	ISO 75/1-2
HDT/B Heat deflection temperature	0.45MPa	220	°C	ISO 75/1-2
Vicat : Softening point of materials	50°C/h-50N	215	°C	ISO 306
Electrical properties				
Surface resistivity	-	-	Ohm-cm	IEC 60093
Volume resistivity	-	-	Ohm-cm	IEC 60093



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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 electronic, general purpose.

Processing Properties :

Feed Temperature	225-230°C	
Middle Barrel Temperature	230-240°C	Compression zone
Front Barrel Temperature	240-250°C	
Nozzle Temperature	241-260°C	
Melt Temperature	230-260°C	
Mold Temperature	80-100°C	
Drying Temperature	80°C	

Packaging & delivery

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

Contact :

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