

Technical Data Sheet



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Code:	THETAMID A GF50SP NA1000
Description:	PA66 50%GF PROCESS STABILIZED NATURAL

PROPERTIES	UNITS	VALUE	METHOD
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PHISICAL	SPECIFIC GRAVITY	g/cm ³	1,5	ISO 1133
	MOISTURE ABSORPTION 24h at 23°C in H2O	%	0,70	INTERNAL
	MOISTURE ABSORPTION saturation	%	5,50	INTERNAL
	MOULDING SHRINKAGE: ALONG FLOW	%	0,3-0,5	INTERNAL
	MOULDING SHRINKAGE: ACROSS FLOW	%	0,7-0,9	INTERNAL

MECHANICAL	TENSILE STRENGHT *	MPa	220	ISO 527-2
	TENSILE MODULUS * <th>MPa</th> <td>13000</td> <td>ISO 527-2</td>	MPa	13000	ISO 527-2
	FLEXURAL STRENGHT * <th>MPa</th> <td>200</td> <td>ISO 178</td>	MPa	200	ISO 178
	FLEXURAL MODULUS * <th>MPa</th> <td>11000</td> <td>ISO 178</td>	MPa	11000	ISO 178
	IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	15	ISO 180/A

THERM	VICAT/B (50N; 120°C/h)	°C	-	ISO 306
	HDT/A (1,8 Mpa)	°C	220	ISO 75-2

FLAMM	FLAME RATING (1,6 mm - 3,2 mm)		HB	UL 94
	GLOW WIRE FLAMMABILITY INDEX (1 mm)	°C	-	IEC 60695-2-12

PROCESSING	PREDRYING TEMPERATURE	°C	80	90	
	PREDRYING TEMPERATURE TIME	h	2	3	
	RECOMMENDED MELT TEMPERATURE	°C	260	300	
	RECOMMENDED MOULD TEMPERATURE	°C	80	100	

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	We cannot forecast every conditions where our informations and our products will be used, then we can't guarantee applicability fitness for a specific use. Then we decline every responsibility for damage to customers and others. * : values only indicative, they aren't product specifications and aren't checked by our qulity system. Standard Package: 25 Kg bag on pallet (120x110) (total 1250kg); 1000kg big bag/contain on pallet (110x110)