

# Technical Data Sheet



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Code:

**THETAMID B GF50SP NA1000**

Description:

**PA6 50%GF PROCESS STABILIZED NATURAL**

	PROPERTIES	UNITS	VALUE	METHOD
PHISICAL	SPECIFIC GRAVITY	g/cm <sup>3</sup>	1,51	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	210	ISO 527-2
	TENSILE MODULUS *	MPa	12000	ISO 527-2
	FLEXURAL STRENGHT *	MPa	190	ISO 178
	FLEXURAL MODULUS *	MPa	10000	ISO 178
	IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m <sup>2</sup>	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

NOTE

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**Standard Package:** 25 Kg bag on pallet (130x110) (total 1250kg); 1000kg big.bag/octabin on pallet (110x110)