

# Technical Data Sheet



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Code:

**THETAMID B GB30SP NA1000**

Description:

**PA6 30%GB PROCESS STABILIZED NATURAL**

	PROPERTIES	UNITS	VALUE	METHOD
PHISICAL	SPECIFIC GRAVITY	g/cm <sup>3</sup>	1,35	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	60	ISO 527-2
	TENSILE MODULUS *	MPa	3500	ISO 527-2
	FLEXURAL STRENGHT *	MPa	80	ISO 178
	FLEXURAL MODULUS *	MPa	3000	ISO 178
	IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m <sup>2</sup>	5	ISO 180/A
THERM	VICAT/B (50N; 120°C/h)	°C	-	ISO 306
	HDT/A ( 1,8 Mpa)	°C	170	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	<p>This document is propriety of Powerpol s.r.l. and can't be used without our autorization. Values in this data sheet are only indicatives, they aren't product specifications.                      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 responsability for damage to customers and others.                      * : values only indicative, they aren't product specifications and aren't checked by our qulity system.  <b>Standard Package:</b> 25 Kg bag on pallet (130x110) (total 1250kg); 1000kg big.bag/octabin on pallet (110x110)</p>			