

Technical Data Sheet



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Code:	THETAMID B GF20E1 NA1000
Description:	PA6 20%GF LOW IMPACT MODIFIED NATURAL

	PROPERTIES	UNITS	VALUE	METHOD
PHISICAL	SPECIFIC GRAVITY	g/cm ³	1,3	ISO 1133
	MOISTURE ABSORPTION 24h at 23°C in H2O	%	0,90	INTERNAL
	MOISTURE ABSORPTION saturation	%	6,50	INTERNAL
	MOULDING SHRINKAGE: ALONG FLOW	%	0,3-0,5	INTERNAL
	MOULDING SHRINKAGE: ACROSS FLOW	%	0,7-0,9	INTERNAL
MECHANICAL	TENSILE STRENGHT *	MPa	130	ISO 527-2
	TENSILE MODULUS *	MPa	6000	ISO 527-2
	FLEXURAL STRENGHT *	MPa	160	ISO 178
	FLEXURAL MODULUS *	MPa	5500	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	200	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	230	280
	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.</p> <p>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.</p> <p>* : values only indicative, they aren't product specifications and aren't checked by our quality system.</p> <p>Standard Package: 25 Kg bag on pallet (130x110) (total 1250kg); 1000kg big.bag/octabin on pallet (110x110)</p>			