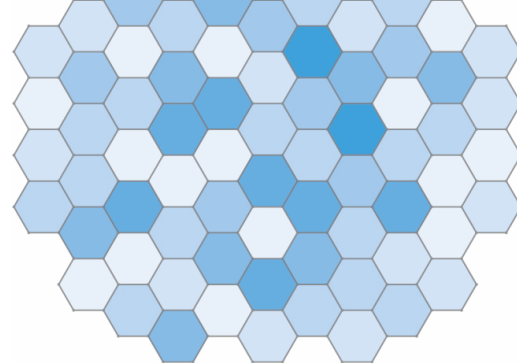


THETA COMPOUNDS

Technical Data Sheet



CODE **THETAMID B GF30SP NA1000**

DESCRIPTION **PA6 30%GF PS NATURAL**

REV 01

ISSUED 18/03/2021

PROPERTIES	UNITS	VALUE - DAM	METHOD
PHISICAL			
DENSITY	g/cm ³	1,35	ISO 1183
MOISTURE ABSORPTION 24h at 23° in H2O*	%	2,4-2,7	INTERNAL
MOISTURE ABSORPTION saturation*	%	7,4-7,7	INTERNAL
MOULDING SHRINKAGE: ALONG FLOW*	%	0,3 - 0,5	INTERNAL
MOULDING SHRINKAGE: ACROSS FLOW*	%	0,7 - 0,9	INTERNAL
MECHANICAL			
TENSILE STRENGHT*	MPa	170	ISO 527-2
TENSILE MODULUS*	MPa	9300	ISO 527-2
FLEXURAL STRENGHT*	MPa	200	ISO 178
FLEXURAL MODULUS*	MPa	9000	ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	12	ISO 180/1A
THERMIC			
HDT/A (1,8 Mpa)	°C	210	ISO 75-2
FLAMMABILITY			
FLAME RATING (1,6 mm – 3,2 mm)	CLASS	HB	UL 94
GLOW WIRE FLAMMABILITY INDEX (1 mm)	°C	-	IEC 60695-2-12
PROCESSING			
PREDRYING TEMPERATURE	°C	80	90
PREDRYING TEMPERATURE TIME	h	3	4
RECOMMENDED MELT TEMPERATURE	°C	250	280

Compound di poliammide (PA) di prima scelta realizzata utilizzando unicamente materie prime vergini.

First choice polyamide (PA) compound made using only virgin raw materials.

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 are not 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. For this reason we decline any responsibility for damage to customers and others.

* : values only indicative, they aren't product specifications and aren't checked by our quality system.

POWERPOL S.r.L.

Legal Office: Via Moncalieri 19/b, 10029 Villastellone (TO) - ITALY

Operative & Administration Office: Via Moncalieri 19/b, 10029 Villastellone (TO) - ITALY

VAT IT11252150013 | Cap. Soc. 10.000 euro i.v. | www.powerpol.it

