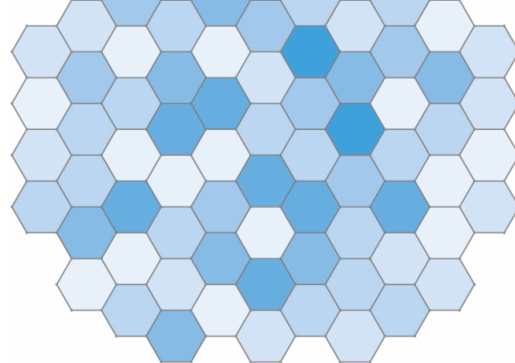


THETA COMPOUNDS

Technical Data Sheet



CODE **THETAMID B GF30SP BK1000**

DESCRIPTION *PA6 30%GF PS BLACK*

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/A
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	

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