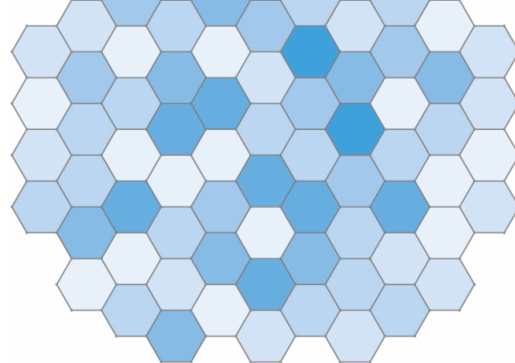


THETA COMPOUNDS

Technical Data Sheet



CODE **THETAMID B AVNA**

DESCRIPTION **PA6 MVHCEN NATURAL**

REV 01

ISSUED 18/03/2021

PROPERTIES	UNITS	VALUE - DAM	METHOD
PHISICAL			
DENSITY	g/cm ³	1,13	ISO 1183
MELT FLOW INDEX (275°C, 5Kg)	cm ³ /10'	165	ISO1133
VISCOSITY NUMBER (FORMIC ACID)*		135	ISO 307
MOISTURE ABSORPTION 24h at 23° 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	80	ISO 527-2
TENSILE MODULUS*	MPa	2700	ISO 527-2
FLEXURAL STRENGHT*	MPa	100	ISO 178
FLEXURAL MODULUS*	MPa	3000	ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	5	ISO 180/1A
THERMIC			
HDT/A (1,8 Mpa)	°C	70	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.

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