



CODE **THETAMID-R B GF30 BK1000**

DESCRIPTION **PA6 30%GF BLACK**

REV 01

ISSUED 24/07/2023

PROPERTIES	UNITS	VALUE - DAM	METHOD
<b>PHISICAL</b>			
DENSITY	g/cm <sup>3</sup>	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
<b>MECHANICAL</b>			
TENSILE STRENGHT*	MPa	130	ISO 527-2
TENSILE MODULUS*	MPa	8500	ISO 527-2
FLEXURAL STRENGHT*	MPa	-	ISO 178
FLEXURAL MODULUS*	MPa	8000	ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m <sup>2</sup>	8	ISO 180/A
<b>THERMIC</b>			
HDT/A (1,8 Mpa)	°C	200	ISO 75-2
<b>FLAMMABILITY</b>			
FLAME RATING (1,6 mm – 3,2 mm)	CLASS	HB	UL 94
GLOW WIRE FLAMMABILITY INDEX (1 mm)	°C	-	IEC 60695-2-12
<b>PROCESSING</b>			
PREDRYING TEMPERATURE	°C	80	90
PREDRYING TEMPERATURE TIME	h	3	4
RECOMMENDED MELT TEMPERATURE	°C	250	300

**Compound di poliammide (PA) riciclato realizzato con una percentuale minima del 30% derivante da scarti post-consumo (PCR) della linea commerciale THETAMID-C.**

**Recycled polyamide (PA) compound obtained from post-consumer waste (PCR) in the minimum quantity of 30%, named THETAMID-C.**

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