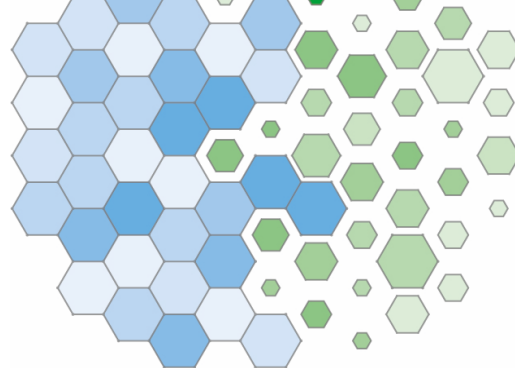


THETA² COMPOUNDS

Technical Data Sheet



CODE **THETAMID-R B BK1000**

DESCRIPTION **PA6 BLACK**

REV 02

ISSUED 01/03/2022

PROPERTIES	UNITS	VALUE - DAM	METHOD
PHISICAL			
DENSITY	g/cm ³	1,14	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	75	ISO 527-2
TENSILE MODULUS*	MPa	3000	ISO 527-2
FLEXURAL STRENGHT*	MPa	95	ISO 178
FLEXURAL MODULUS*	MPa	2700	ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	5	ISO 180/A
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	300

Compound di poliammide (PA) riciclato realizzato con la percentuale minima del 30% derivante da scarti post-industriali (PIR) della linea commerciale THETAMID-R.

Recycled polyamide (PA) compound obtained from post-industrial waste in the minimum quantity of 30%, named THETAMID-R.



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