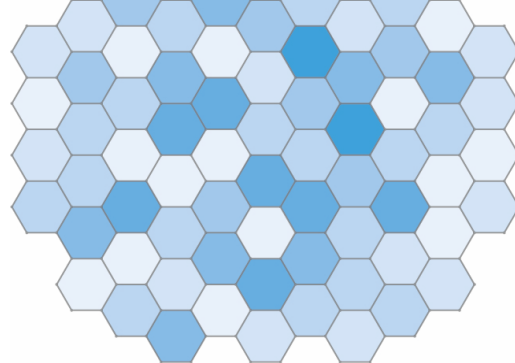


# THETA COMPOUNDS

## Technical Data Sheet



CODE **THETALENE H2 GF40I12CC BK1000**

DESCRIPTION *PP HOMO 40%GF CC BLACK*

REV 01

ISSUED 18/03/2021

PROPERTIES	UNITS	VALUE	METHOD
<b>PHISICAL</b>			
SPECIFIC GRAVITY	g/cm <sup>3</sup>	1.25	ISO 1183
MELT FLOW INDEX (230°C - 2,16 Kg)	g/10'	3-7	ISO 1133
MOISTURE ABSORPTION 24h at 23° in H2O*	%	-	INTERNAL
MOISTURE ABSORPTION saturation*	%	-	INTERNAL
MOULDING SHRINKAGE: ALONG FLOW*	%	0,3-0,4	INTERNAL
MOULDING SHRINKAGE: ACROSS FLOW*	%	0,3-0,4	INTERNAL
<b>MECHANICAL</b>			
TENSILE STRENGHT*	MPa	90	ISO 527-2
TENSILE MODULUS*	MPa	7500	ISO 527-2
FLEXURAL STRENGHT*	MPa	-	ISO 178
FLEXURAL MODULUS*	MPa	-	ISO 178
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m <sup>2</sup>	12	ISO 180/A
<b>THERMIC</b>			
VICAT/B (50N; 120° C/h)	°C	135	ISO 306
HDT/A (1,8 Mpa)	°C	-	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	40	60
PREDRYING TEMPERATURE TIME	h	2	3
RECOMMENDED MELT TEMPERATURE	°C	210	260

**Compound di polipropilene (PP) di prima scelta realizzata utilizzando unicamente materie prime vergini.**

***First choice polypropylene (PP) compound made using only virgin raw materials.***

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