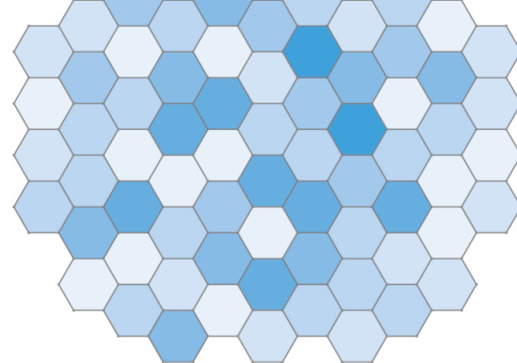


THETA COMPOUNDS

Technical Data Sheet



CODE **THETALENE H2 GF50CC BK1000**

DESCRIPTION *PP HOMO 50%GF CC BLACK*

REV 02

ISSUED 18/03/2021

PROPERTIES	UNITS	VALUE	METHOD
PHISICAL			
SPECIFIC GRAVITY	g/cm ³	1.33	ISO 1183
MELT FLOW INDEX (230°C - 2,16 Kg)	g/10'	4-8	ISO 1133
MOISTURE ABSORPTION 24h at 23° in H2O*	%	-	INTERNAL
MOISTURE ABSORPTION saturation*	%	-	INTERNAL
MOULDING SHRINKAGE: ALONG FLOW*	%	0,3-0,7	INTERNAL
MOULDING SHRINKAGE: ACROSS FLOW*	%	0,3-0,7	INTERNAL
MECHANICAL			
TENSILE STRENGHT at 23°C*	MPa	110 - 125	ISO 527-2
TENSILE MODULUS at 23°C *	MPa	11.000 – 13.000	ISO 527-2
ELONGATION AT BREAK at 23°C *	%	2,5	ISO 527-1
TENSILE STRENGHT at 60°C*	MPa	75 – 95	ISO 527-2
TENSILE MODULUS at 60°C *	MPa	7.800 – 9.300	ISO 527-2
ELONGATION AT BREAK at 60°C *	%	4,3	ISO 527-1
IZOD IMPACT STRENGHT NOTCHED 23°C	KJ/m ²	12-14	ISO 180/A
THERMIC			
VICAT/B (50N; 120° C/h)	°C	130-140	ISO 306
HDT/A (1,8 Mpa)	°C	150-170	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	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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