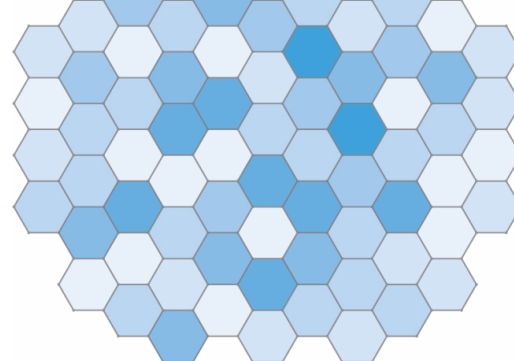


# THETA COMPOUNDS

## Technical Data Sheet



CODE **THETALENE H3 GF30H10CC NA1000**

DESCRIPTION *PP HOMO 30%GF CC NATUTAL*

REV 01

ISSUED 18/03/2021

| PROPERTIES                             | UNITS             | VALUE   | METHOD         |
|--|-------------------|---------|----------------|
| <b>PHISICAL</b>                        |                   |         |                |
| SPECIFIC GRAVITY                       | g/cm <sup>3</sup> | 1,12    | ISO 1183       |
| MELT FLOW INDEX (230°C - 2,16 Kg)      | g/10'             | 10-15   | ISO 1133       |
| MOISTURE ABSORPTION 24h at 23° in H2O* | %                 | -       | INTERNAL       |
| MOISTURE ABSORPTION saturation*        | %                 | -       | INTERNAL       |
| MOULDING SHRINKAGE: ALONG FLOW*        | %                 | 0,5-0,7 | INTERNAL       |
| MOULDING SHRINKAGE: ACROSS FLOW*       | %                 | 0,5-0,7 | INTERNAL       |
| <b>MECHANICAL</b>                      |                   |         |                |
| TENSILE STRENGHT*                      | MPa               |         | ISO 527-2      |
| TENSILE MODULUS*                       | MPa               |         | ISO 527-2      |
| FLEXURAL STRENGHT*                     | MPa               | 125     | ISO 178        |
| FLEXURAL MODULUS*                      | MPa               | 5500    | ISO 178        |
| IZOD IMPACT STRENGHT NOTCHED 23°C      | KJ/m <sup>2</sup> | 10      | ISO 180/A      |
| <b>THERMIC</b>                         |                   |         |                |
| VICAT/B (50N; 120° C/h)                | °C                | 120     | 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            |

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