



CODE **THETAMID-R B GF30 BK1000**

DESCRIPTION *PA6 30%GF BLACK*

REV 01

ISSUED 18/03/2021

| 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               | 150         |     | ISO 527-2      |
| TENSILE MODULUS*                       | MPa               | 8500        |     | ISO 527-2      |
| FLEXURAL STRENGHT*                     | MPa               | 180         |     | ISO 178        |
| FLEXURAL MODULUS*                      | MPa               | 8000        |     | ISO 178        |
| IZOD IMPACT STRENGHT NOTCHED 23°C      | KJ/m <sup>2</sup> | 10          |     | ISO 180/A      |
| <b>THERMIC</b>                         |                   |             |     |                |
| HDT/A (1,8 Mpa)                        | °C                | 195         |     | 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 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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