

**BESTDUR<sup>®</sup>****THG4 /02****DOTRIESA****PBT black with 20% glass fibre reinforcement and lubricated.**

| GENERALS |                 | STANDARD | UNIT               | DRY  | CONDITIONED |
|----------|-----------------|----------|--------------------|------|-------------|
|          | Density         | ISO 1183 | gr/cm <sup>3</sup> | 1,45 |             |
|          | Melt Flow Index | ISO 1133 | gr/10 min.         | -    |             |
|          | Humidity Pelets | ISO 1110 | %                  | 0,2  |             |
|          | Hardness        | SHORE D  | Points             | 80   |             |
|          | Mold Shrinkage  | -        | %                  | -    |             |

| MECHANICAL |                     | STANDARD       | UNIT              | DRY  | CONDITIONED |
|------------|---------------------|----------------|-------------------|------|-------------|
|            | Tensile Strenght    | ISO 527        | N/mm <sup>2</sup> | 115  |             |
|            | Elogantion at break | ISO 527        | %                 | 3    |             |
|            | Tensile Modulus     | ISO 527        | N/mm <sup>2</sup> | 7000 |             |
|            | Charpy Impact       | 23 °C ISO 179  | Kj/m <sup>2</sup> | 50   |             |
|            |                     | -40 °C ISO 179 | Kj/m <sup>2</sup> | -    |             |
|            | Charpy Impact       | 23 °C ISO 179  | Kj/m <sup>2</sup> | 6    |             |
|            |                     | -40 °C ISO 179 | Kj/m <sup>2</sup> | -    |             |

| ELECTRICAL |                         | STANDARD | UNIT  | DRY              | CONDITIONED |
|------------|-------------------------|----------|-------|------------------|-------------|
|            | Surface Resistivity     | IEC 93   | Ohm   | 10 <sup>15</sup> |             |
|            | Dielectric strength     | IEC 243  | Kv/mm | 30               |             |
|            | Tracking index (C.T.I.) | IEC 112  | Kv/mm | -                |             |

| THERMAL |                                | STANDARD       | UNIT | DRY | CONDITIONED |
|---------|--------------------------------|----------------|------|-----|-------------|
|         | Deflection Temp.<br>Under Load | 0,4 N ISO 75/A | °C   | 210 |             |
|         | (H.D.T.)                       | 1,8 N ISO 75/A | °C   | 200 |             |
|         | VICAT Temperatura              | ISO 306        | °C   | -   |             |

- The values provided in this data sheet correspond to our knowledge. All products must be subjected to in company test by the user before application.
- These data do not release you from the obligation to test our products as to their suitability for the intended processes and final use.
- These data may not valid such material used in combination with any other materials or additives or in - any process.
- Triesa assumes no liability and makes no warranties of any kind, expressed or implied how to use this information data.
- UL measurements are done in our lab according to this norm.

V3.00/2021

|        | STANDARD               | UNIT        | DRY     | CONDITIONED |
|--------|------------------------|-------------|---------|-------------|
| OTHERS | UL - Flammability      | UL-94       | -       | HB          |
|        | Glow Wire              | IEC 695     | °C      | -           |
|        | Fammability speed      | FMV 302     | mm/min. | <100        |
|        | Ashes                  | Triesa Test | %       | ~20         |
|        | Water absorption (24h) | ISO 62      | %       | ~0,1        |
|        | Lubricated             |             |         | YES         |

RECOMMENDED VALUES

|            |                        |               |
|------------|------------------------|---------------|
| PROCESSING | Drying Material        | 2h - 4h 120°C |
|            | Mold. Temperature      | 70°C-90°C     |
|            | Processing Temperature | 235°C-250°C   |
|            | Back Temperature       | 235°C-240°C   |
|            | Middle Temperature     | 245°C-250°C   |
|            | Nozzle Temperature     | 250°C-255°C   |
|            | Hold Pressure          | 40 - 70 Mpa   |

- The values provided in this data sheet correspond to our knowledge. All products must be subjected to in company test by the user before application.
- These datas do not release you from the obligation to test our products as to their suitability for the intended processes and final use.
- These data may not valid such material used in combination with any other materials or additives or in- any process.
- Triesa assumes no liability and makes no warranties of any kind, expressed or implied how to use this information data.
- UL measurements are done in our lab according to this norm.