

Polyamide 6.6 natural with 25% glass fibre reinforcement, halogen free flame retardant.

TECHNICAL DATA SHEET

| | | STANDARD | UNIT | DRY | CONDITIONED |
|----------|-----------------|----------|--------------------|------|-------------|
| GENERALS | Density | ISO 1183 | gr/cm ³ | 1,34 | |
| | Melt Flow Index | ISO 1133 | gr/10 min. | - | |
| | Humidity Pelets | ISO 1110 | % | 0,2 | |
| | Hardness | SHORE D | Points | 81 | |
| | Mold Shrinkage | - | % | ~0,5 | |

| | | STANDARD | UNIT | DRY | CONDITIONED |
|----------------|---------------------|-------------------|-------------------|------|-------------|
| MECHANICAL | Tensile Strenght | ISO 527 | N/mm ² | 135 | |
| | Elogantion at break | ISO 527 | % | 3 | |
| | Tensile Modulus | ISO 527 | N/mm ² | 8200 | |
| | Charpy Impact | 23 °C ISO 179 | Kj/m ² | 55 | |
| | | -40 °C ISO 179 | Kj/m ² | - | |
| | Charpy Impact | 23 °C ISO 179 | Kj/m ² | 7 | |
| -40 °C ISO 179 | | Kj/m ² | - | | |

| | | STANDARD | UNIT | DRY | CONDITIONED |
|------------|-------------------------|----------|-------|------------------|-------------|
| ELECTRICAL | Surface Resistivity | IEC 93 | Ohm | 10 ¹³ | |
| | Dielectric strength | IEC 243 | Kv/mm | 25 | |
| | Tracking index (C.T.I.) | IEC 112 | Kv/mm | - | |

| | | STANDARD | UNIT | DRY | CONDITIONED |
|---------|--------------------------------|----------------|----------------|------|-------------|
| THERMAL | Deflection Temp. Under Load | 0,4 N ISO 75/A | °C | 250 | |
| | | (H.D.T.) | 1,8 N ISO 75/A | °C | 240 |
| | VICAT Temperatura | ISO 306 | °C | >240 | |

- 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.

V3.00/2021

| | STANDARD | UNIT | DRY | CONDITIONED |
|--------|----------------------------|-------------|---------|-------------|
| OTHERS | UL - Flammability | UL-94 | - | V-0 |
| | Glow Wire | IEC 695 | °C | 960 |
| | Fammability speed | FMV 302 | mm/min. | <100 |
| | Ashes | Triesa Test | % | ~25 |
| | Water absorption (24h) | ISO 62 | % | - |
| | Flame Retardant, Free Hal. | | | YES |

RECOMMENDED VALUES

| | | |
|------------|------------------------|---------------|
| PROCESSING | Drying Material | 2h - 4h 100°C |
| | Mold. Temperature | 70°C-80°C |
| | Processing Temperature | 270°C-280°C |
| | Back Temperature | 255°C-265°C |
| | Middle Temperature | 265°C-275°C |
| | Nozzle Temperature | 280°C-285°C |
| | Hold Pressure | 60 - 100 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.

SOURCE: Triesa Quality Control; Last update: 12/05/2020