TRIESA

# BESTNYL ECO ®

## SE30VI01AHR

TECHNICAL DATA SHEET

***Polyamide 6.6 natural lubrified with 30% glass fibre reinforcement and heat stabilized. Is a compounding high quality recyled PA 66, for sectors looking for quality materials with ecofriend environment.***

| | | STANDARD | UNIT | DRY | CONDITIONED |
|---|---|---|---|---|---|
| GENERALS | Density | ISO 1183 | gr/cm³ | 1,36 | - |
| | Melt Flow Index | ISO 1133 | gr/10 min. | - | - |
| | Humidity Pelets | ISO 1110 | % | 0,2 | - |
| | Hardness | SHORE D | Points | 81 | - |
| | Mold Shrinkage | - | % | ~0,5 | - |

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|---|---|---|---|---|---|
| MECHANICAL | Tensile Strenght | ISO 527 | N/mm² | 155 | - |
| | Elogantion at break | ISO 527 | % | 3 | - |
| | Tensile Modulus | ISO 527 | N/mm² | 8000 | - |
| | Charpy Impact | 23 °C ISO 179 | Kj/m² | 55 | - |
| | | -40 °C ISO 179 | Kj/m² | - | - |
| | Charpy notched Impact | 23 °C ISO 179 | Kj/m² | 8 | - |
| | | -40 °C ISO 179 | Kj/m² | - | - |

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|---|---|---|---|---|---|
| ELECTRICAL | Surface Resistivity | IEC 93 | Ohm | 10^13 | - |
| | Dielectric strength | IEC 243 | Kv/mm | 32 | - |
| | Tracking lindex (C.T.I.) | IEC 112 | Kv/mm | - | - |

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|---|---|---|---|---|---|
| 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 | - | - |

- 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.

| | | 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 | % | 30 +/-3 | - |
| | Water absorption (24h) | ISO 62 | % | - | - |
| | Heat Stabilized | | | YES | - |

| | | RECOMMENDED VALUES |
|---|---|---|
| PROCESSING | Drying Material | 2h - 4h 100°C-120°C |
| | Mold. Temperature | 80°C-90°C |
| | Processing Temperature | 280°C-290°C |
| | Back Temperature | 265°C-275°C |
| | Middle Temperature | 275°C-295°C |
| | Nozzle Temperature | 280°C-295°C |
| | Hold Pressure | 70 - 110 Mpa |

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