

**BESTNYL SE10VI01A**

*Polyamide 6.6 natural lubricated with 10% GF for injection molding grade*

|  | Standard        | Unit        | Values           |             |
|--|-----------------|-------------|------------------|-------------|
|  |                 |             | Dry              | Conditioned |
| <b>Generals</b>                        |                 |             |                  |             |
| Density                                | ISO 1183        | gr /cm3     | 1,20             | -           |
| Melt Flow Index                        | ISO 1133        | gr /10 min. | -                | -           |
| Humidity Pelets                        | ISO 1110        | %           | 0,2              | -           |
| Hardness                               | SHORE D         | Points      | 80               | -           |
| Mold Shrinkage                         | -               | %           | -                | -           |
| <b>Mechanical</b>                      |                 |             |                  |             |
| Tensile Strenght                       | ISO 527         | N /mm2      | 100              | -           |
| Elogantion at break                    | ISO 527         | %           | -                | -           |
| Tensile Modulus                        | ISO 527         | N /mm2      | 4550             | -           |
| Charpy Impact                          | 23 °C ISO 179   | Kj / m2     | 40               | -           |
|  | -40 °C ISO 179  | Kj / m2     | -                | -           |
| Charpy notched Impact                  | 23 °C ISO 179   | Kj / m2     | 6                | -           |
|  | -40 °C ISO 179  | Kj / m2     | -                | -           |
| <b>Electrical</b>                      |                 |             |                  |             |
| Surface Resistivity                    | IEC 93          | Ohm         | 10 <sup>12</sup> | -           |
| Dielectric strenght                    | IEC 243         | Kv / mm     | 30               | -           |
| Tracking lindex ( C.T.I.)              | IEC 112         | Kv / mm     | 550              | -           |
| <b>Thermal</b>                         |                 |             |                  |             |
| Deflection Temp.Under Load<br>(H.D.T.) | 0,4 N ISO 75 /A | °C          | 235              | -           |
|  | 1,8 N ISO 75 /A | °C          | 200              | -           |
| VICAT Temperature                      | ISO 306         | °C          | 240              | -           |
| <b>Others</b>                          |                 |             |                  |             |
| UL-94 Flammability                     | UL-94           | -           | HB               | -           |
| Glow Wire                              | IEC 695         | °C          | -                | -           |
| Flammability speed                     | FMV 302         | mm / min.   | <100             | -           |
| Ashes                                  | Triesa Test     | %           | 10               | -           |
| Water absorption (24h)<br>Lubricated   | ISO 62          | %           | -                | -           |
|  |                 |             | YES              | -           |
| <b>Processing</b>                      |                 |             |                  |             |
| Drying Material                        | 2h - 4h 100 °C  |             |                  |             |
| Mold. Temperature                      | 60 °C - 80 °C   |             |                  |             |
| Processing Temperature                 | 260 °C - 275 °C |             |                  |             |

-This values provided in this data sheet corresponds to our Knowledge. All products must be subjected to in company test by the user before application

-These data may not valid such material used in combination with any other materials or additives or in any process

- UL mesurements are doing in our lab according this norm

Source: Triesa Quality Control, Last Update: 11/02/2012

**Please contact with us for any other Information.**

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