TRIESA

# BESTPOM ®

## H14 /02

TECHNICAL DATA SHEET

***Acetal homopolymer resin black medium fluidity, lubrified, is a medium viscosity resin which combines good physical properties and good injection.***

| | | STANDARD | UNIT | DRY | CONDITIONED |
|---|---|---|---|---|---|
| GENERALS | Density | ISO 1183 | gr/cm³ | 1,42 | |
| | Melt Flow Index | ISO 1133 | gr/10 min. | ~14 | |
| | Humidity Pelets | ISO 1110 | % | 0,2 | |
| | Hardness | SHORE D | Points | 83 | |
| | Mold Shrinkage | - | % | ~2 | |

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|---|---|---|---|---|---|
| MECHANICAL | Tensile Strenght | ISO 527 | N/mm² | 70 | |
| | Elogantion at break | ISO 527 | % | 30 | |
| | Tensile Modulus | ISO 527 | N/mm² | 3000 | |
| | Charpy Impact | 23 °C ISO 179 | Kj/m² | NB | |
| | | -40 °C ISO 179 | Kj/m² | - | |
| | Charpy Impact | 23 °C ISO 179 | Kj/m² | 8 | |
| | | -40 °C ISO 179 | Kj/m² | - | |

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|---|---|---|---|---|---|
| ELECTRICAL | Surface Resistivity | IEC 93 | Ohm | 10^15 | |
| | 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 | 165 | |
| | (H.D.T.) | 1,8 N ISO 75/A | °C | 95 | |
| | VICAT Temperatura | ISO 306 | °C | 160 | |

- 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.



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|---|---|---|---|---|---|
| OTHERS | UL - Flammability | UL-94 | - | HB | |
| | Glow Wire | IEC 695 | °C | - | |
| | Fammability speed | FMV 302 | mm/min. | <100 | |
| | Ashes | Triesa Test | % | - | |
| | Water absorption (24h) | ISO 62 | % | ~0,3 | |
| | Lubricated | | | YES | |

| | | RECOMMENDED VALUES |
|---|---|---|
| PROCESSING | Drying Material | 2h - 4h 80-90°C |
| | Mold. Temperature | 70°C-90°C |
| | Processing Temperature | 190°C-200°C |
| | Back Temperature | 180°C-185°C |
| | Middle Temperature | 190°C-195°C |
| | Nozzle Temperature | 200°C-210°C |
| | Hold Pressure | 70 - 100 Mpa |

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