

## **Technical Data Sheet**

## POLYFAST® SA026

ASA 6% glass fiber filled

| PROPERTIES                          | NORM           |       | UNIT     | VALUE   |
|-------------------------------------|----------------|-------|----------|---------|
|                                     | ISO            | ASTM  |          |         |
| <u>GENERAL</u>                      |                |       |          |         |
| Density                             | 1183           | D792  | g/cm3    | 1.09    |
| Linear mould shrinkage              | 1100           | D955  | %        | 0.4-0.8 |
| Melt Flow Index 220°C/10Kg          | 1133           | D1238 | g/10 min | 5       |
| TERMICHE/ THERMAL                   |                |       |          |         |
| VICAT B50                           | 306            | D1525 | ∞        | 104     |
| HDT/A (annealed)                    | 75             | D648  | .€       | 90      |
| Ball pressure test 75°C             | IEC 335        |       | °C       | -       |
|                                     |                |       |          |         |
| <u>MECHANICAL</u>                   |                |       |          |         |
| Tensile strength (yield)            | 527            | D638  | Мра      | 55      |
| Tensile strength (break)            | 527            | D638  | MPa      | 50      |
| Elongation at break                 | 527            | D638  | %        | 6       |
| Flexural modulus                    | 178            | D790  | MPa      | 3200    |
| Izod Impact +23°C (notched)         | 180/1A         | D256  | KJ/m2    | 7       |
| Izod Impact –23 ℃ (notched)         | 180/1A         | D256  | KJ/m2    | -       |
| FLAMMABILITY                        |                |       |          |         |
| Flammability 3,2 mm                 | UL94           |       | _        | НВ      |
| Flammability 1.6 mm                 | UL94           |       |          | HB      |
| Glow Wire Flammability Index 2,0 mm | IEC 60695-2-12 |       | °C       | 650     |
| Burning rate                        | FMVSS 302      |       | mm/min   | -       |
|                                     |                |       |          |         |
| ELECTRICAL                          |                |       |          |         |
| Dielectric rigidity (Oil 1mm)       | IEC 60243-1    |       | KV/mm    | -       |
| Surface resistivity                 | IEC 60093      |       | Ohm      | -       |
| Volume resistivity                  | IEC 60093      |       | Ohmxcm   | -       |
| CTI Comparative Tracking Index      | IEC 60112      |       | V        | -       |

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