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| Document | ISO Datasheet |
| Description | PA 66 |
| Grade | A 66 ST |
| Code | |
| Application | Injection moulding |

Unfilled polyamide 66. Impact modified.

| Properties | Method | Unit | Value |
|------------------------------------------|-------------|-------------------|---------|
| Physical | | | |
| Density at 23°C | ISO 1183 | g/cm ³ | 1,13 |
| Mould Shrinkage (%) | INTERNAL | % | 1,5-1,9 |
| Thermal | | | |
| Vicat B50 | ISO 306 | °C | 230 |
| HDT, A (1.80 MPa) | ISO 75/Af | °C | 70 |
| Mechanical at 23 °C | | | |
| Flexural Modulus (23°C - 2 mm/min) | ISO 178 | MPa | 2500 |
| Tensile Modulus (23°C - 1 mm/min) | ISO 527-2 | MPa | 2800 |
| Tensile stress at yield (23°C-50 mm/min) | ISO 527-2 | MPa | 70 |
| Tensile elong. at break (23°C-50 mm/min) | ISO 527-2 | % | 35 |
| Izod notched impact strength (23°C) ISO | ISO 180/1A | KJ/m ² | 9 |
| Charpy unnotched impact strength (23°C) | ISO 179/1eU | KJ/m ² | NB |
| Flammability Class | | | |
| Flammability class (1,6 mm) | UL94 | | HB |
| Processing Conditions | | | |
| Melt Temperature Range | ISO 294 | °C | 270-290 |
| Mold Temperature Range | ISO 294 | °C | 70-90 |
| Injection Velocity | ISO 294 | | MEDIUM |
| Drying Temperature | | °C | 80-100 |
| Drying Time | | Hour | 3 |
| Regulations compliance | | | |
| RoHS compliance status | COMPLIANT | | |
| EN71 | | | |
| UL listed file n° | | | |

Water contact approvals

Food contact status

[§] Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 3.0 x 12.7 x 127 mm sample.

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