

GRILAC S400

ABS very high flow grade, good gloss

| Properties | Test Method | Unit | Typical Value |
|---|---------------|-------------------|---------------|
| Physical | | | |
| MFI | ISO 292 | g/10' | 35 |
| Density (23°C) | ISO 1183 | g/cm ³ | 1,04 |
| Water Absorption (24h/23°C) | ISO 62 | % | 0,15 |
| Water Absorption at Saturation | ISO 62 | % | 0 |
| Mould Shrinkage (Parallel) | ASTM D-955 | % | 0,6-0,7 |
| Mould Shrinkage (Normal) | ASTM D-955 | % | 0,6-07 |
| Mechanical | | | |
| Izod Notched Impact (+23 °C) | ISO 180 | J/m | 120 |
| Izod Notched Impact Strength(-20 °C) | ISO 180 | J/m | 0 |
| Charpy Notched Impact (+23 °C) | ISO 179 | kJ/m ² | 12 |
| Charpy Unnotched Impact (+23 °C) | ISO 179 | kJ/m ² | 0 |
| Charpy Unnotched Impact (-20 °C) | ISO 179 | kJ/m ² | 0 |
| Tensile Modulus | ASTM D-638 | N/mm ² | 2500 |
| Elongation at Break | ASTM D-638 | % | 25 |
| Tensile Break Strength | ASTM D-638 | N/mm ² | 0 |
| Tensile Yield Strength | ASTM D-638 | N/mm ² | 48 |
| Thermal | | | |
| Vicat Temperature (1kg) | ASTM D-1525 | °C | 105 |
| Vicat Temperature (5kg) | ASTM D-1525 | °C | 95 |
| Heat Deflection Temperature (0,45 N/mm ²) | ASTM D-648 | °C | 0 |
| Heat Deflection Temperature (1,82 N/mm ²) | ASTM D-648 | °C | 85 |
| Continuous Service Temperature (20.000 h) | 60216/P1 IEC | °C | 60 |
| Electrical | | | |
| Volume Resistivity | ASTM D-257 | Ohm cm | 10EXP(15) |
| Tracking Resistance (CTI-Method A) | 60112 IEC | Volt | 0 |
| Electric Strength (Thickness) | ASTM D-149 | kV/mm | 0 |
| Flammability | | | |
| Flammability Rating | UL 94 | - | HB (1,6 mm) |
| Glow Wire Test | 60695-2-1 IEC | °C | 550°@2 mm |

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