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| Document | ISO Datasheet |
| Description | SAN |
| Grade | DAFNELAC NRP |
| Code | |
| Application | Injection moulding |

Transparent. General purpose.

| Properties | Method | Unit | Value |
|--|----------------|-------------------|---------|
| Physical | | | |
| Melt Flow Rate (220°C - 10,00 Kg) | ISO 1133 | g/10' | 15 |
| Density at 23°C | ISO 1183 | g/cm ³ | 1,07 |
| Mould Shrinkage (%) | INTERNAL | % | 0,4-0,6 |
| Water absorption | ISO 62 | % | 0,20 |
| Thermal | | | |
| Vicat A50 | ISO 306 | °C | 110 |
| Vicat B50 | ISO 306 | °C | 105 |
| Ball Pressure Test | IEC 60695-10-2 | °C | 65 |
| HDT, A (1.80 MPa) | ISO 75/Af | °C | 86 |
| HDT, B (0.45 MPa) | ISO 75/Af | °C | 99 |
| Mechanical at 23 °C | | | |
| Flexural Modulus (23°C - 2 mm/min) | ISO 178 | MPa | 3600 |
| Flexural strenght (23°C - 2 mm/min) | ISO 178 | MPa | 100 |
| Tensile stress at yield (23°C-50 mm/min) | ISO 527-2 | MPa | 68 |
| Tensile elong. at break (23°C-50 mm/min) | ISO 527-2 | % | 2,5 |
| Izod notched impact strength (23°C) ISO | ISO 180/1A | KJ/m ² | 2,0 |
| Charpy notched impact strength (23°C) | ISO 179/1eA | KJ/m ² | 2,0 |
| Charpy unnotched impact strength (23°C) | ISO 179/1eU | KJ/m ² | 12 |
| Rockwell hardness (R scale) | ISO 2039-2 | | 120 |
| Flammability | | | |
| Flammability class (1,6 mm) | UL94 | | HB |
| Flammability class (3,2 mm) | UL94 | | HB |
| Electrical | | | |

| | | | |
|--------------------------------|-----------|-------|---------|
| Surface resistivity | IEC 60093 | Ohm | 1x10E14 |
| Volume resistivity | IEC 60093 | Ohm*m | 1x10E15 |
| Comparative tracking index CTI | IEC 60112 | V | 600 |
| Processing Conditions | | | |
| Melt Temperature Range | ISO 294 | °C | 200-230 |
| Mold Temperature Range | ISO 294 | °C | 40-60 |
| Injection Velocity | ISO 294 | | MEDIUM |
| Drying Temperature | | °C | 70-80 |
| Drying Time | | Hour | 0,5-2 |
| 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 4.0 x 10.0 x 170 mm sample.

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