

Product Texts

Polyamide 6, 30% glass fiber reinforced, heat-aging stabilized, UV-stabilized, improved flowability, for injection moulding

Processing/Physical Characteristics

dry / cond

Unit

Test Standard

ISO Data

^[C] Molding shrinkage, parallel

0.3 / *

%

ISO 294-4, 2577

^[C] Molding shrinkage, normal

0.9 / *

%

ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Tensile Modulus

9300 / 5600

MPa

ISO 527

^[C] Stress at break

170 / 105

MPa

ISO 527

^[C] Strain at break

3.5 / 6.5

%

ISO 527

Flexural modulus, 23°C

8500 / -

MPa

ISO 178

Flexural strength

260 / -

MPa

ISO 178

^[C] Charpy impact strength, +23°C

85 / 100

kJ/m²

ISO 179/1eU

^[C] Charpy notched impact strength, +23°C

13 / 22

kJ/m²

ISO 179/1eA

[C]: CAMPUS

Thermal properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Melting temperature, 10°C/min

221 / *

°C

ISO 11357-1/-3

^[C] Temp. of deflection under load, 1.80 MPa

200 / *

°C

ISO 75-1/-2

^[C] Temp. of deflection under load, 0.45 MPa

215 / *

°C

ISO 75-1/-2

^[C] Vicat softening temperature, B

210 / *

°C

ISO 306

^[C] Burning Behav. at thickness h

HB / *

class

IEC 60695-11-10

Thickness tested

0.8 / *

mm

-

[C]: CAMPUS

Electrical properties

dry / cond

Unit

Test Standard

ISO Data

^[C] Volume resistivity

1E13 / -

Ohm*m

IEC 62631-3-1

^[C] Surface resistivity

* / 1E13

Ohm

IEC 62631-3-2

[C]: CAMPUS

Other properties

dry / cond

Unit

Test Standard

^[C] Density

1360 / -

kg/m³

ISO 1183

[C]: CAMPUS

Material specific properties

dry / cond

Unit

Test Standard

ISO Data

Viscosity number

125 / *

cm³/g

ISO 307, 1157, 1628

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat