

materiaaleigenschappen nature-line

technical data in an overview

Testing Standard DIN en ISO Unit

3 Point Bend 178 MPa

Tensile 527-2 MPa

Timed Tensile 899-1 MPa

Timed 3 Point Bend 899-2 MPa

Pressure Characteristics 604 MPa

Charpy Test 179 kJ/m²

Impact Shore Hardness 868

Density Test 1183-1 g/cm³

Water Absorbtion 62 %

Resistance 60093 4 Ω

Ball Striking Test 2039-1 N/mm²

Thermal Expansion 1/°C

Screw Pull out force N

Fire class EN 13501-1: 2010-01
DIN 4102-1: 1998-08

save plastics nature-line

Result

Flexural Stress 23°C 11.6

Bending E-Modulus 581

Strength 9.65

Tensile E-Modulus 659

Elongation 13.8

Tensile E-Modulus 1 hours 316

Tensile E-Modulus 100 hours 202

Bending E-Modulus 1 hours 380

Bending E-Modulus 24 hours 271

Bending E-Modulus 24 hours 235

Compression strength 1% Stretch 1.8

2% Stretch 3.3

10% Stretch 13.3

20% Stretch 18.2

Pressure E-Modulus 271

Impact Resistance 12

Shore Hardness 53

Density 1.0062

23°C in water <1

Surface 3.2 x 10¹³

Specific Surface 3.2 x 10¹³

Flow/Contact 9.0 x 10¹³

Specific Flow/Contact 4.5 x 10¹⁴

Striking Hardness 18.44

Coefficient of Thermal expansion 0.00018993

Drilled Material 7.500

Non Pre-Drilled 7.500

Class E
B2