

TECHNICAL DATA SHEET

TEXTOLITE

Effective and versatile construction material, exhibiting high dimensional stability due to its fully cross-linked structure and fabric reinforcement, provides excellent pressure and impact resistance. Its continuous operating temperature is 120 oC, but it can be temporarily heated up to 180 oC. Suitable for oil and air with normal humidity.

FEATURES

- Electro-insulation
- Low specific weight
- Easy machining and machinability
- Low coefficient of friction and abrasiveness
- Vibration damping and low-noise capability
- Resistant to chemicals
- High load, statistical and dynamic strength
- High creep resistance and dimensional stability



APPLICATION

Textolite works well as a construction material, especially in the steel and engineering industries. It is also used as a material for making electrical insulating elements in transformers, also in medium- and low-voltage switchgear.

- Gear wheels
- Slats and slideways
- Bearings and bearing shells
- Moulded parts
- Insulating and dielectric components

Operation temperature	°C	120
Density	g/cm ³	1.4 – 1,7
Tensile strength perpendicular to the layers	MPa	110
Impact resistance	kJ/m ²	7,0
Apparent modulus of elasticity	MPa	7000
Electrical strength at 90°C in oil perpendicular to the layers for 3 mm thickness	kV	1,5
Breakdown voltage 90°C in oil parallel to the layers		1,0

OUR OFFER

- Textolite rods
- Textolite sheets
- Textolite bushing
- Textolite fittings

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