

Round Tubes

DURATEX T



- Good mechanical properties
- Easy to machine
- Coarse weave
- Low friction coefficient
- Low wear

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	140	ISO 178
E-Modulus	MPa	6500	ISO 178
Compressive strength axial	MPa	200	ISO 604
Compressive strength radial	MPa	280	ISO 604
Cohesion between layers	MPa	150	EN 61212-2
Tensile strength axial	MPa	60	ISO 527
Thermal properties			
Temperature index (TI)	°C	120	IEC 60216
Physical properties			
Density	g/cm ³	1.30 – 1.40	ISO 1183
Coefficient of friction (against steel, lubed)		0.20 – 0.25	
Water absorption (24 h 23°C)	mg/cm ²	5.0	ISO 62

Description

Duratex T consists of phenolic resin charged with Molybdenum Disulfide (MoS₂) and a reinforcement of cotton fabric..

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (RoHS-directive), annex II and amendment 2015/863/EU are not used as ingredients in this material.

Colour

Anthracite

Application

Guide rings for hydraulic application
Bushings for pressing tools

Form of delivery

This type will be supplied in form of tubes and machined parts out of tubes. The standard diameter range lasts from 7 mm to 1400 mm.

The length is related to the diameter, max. length is approx. 2200 mm.

Other diameters and lengths on request.

Tolerances acc. to DIN EN 61212-3-1

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.

VRI Composites custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

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