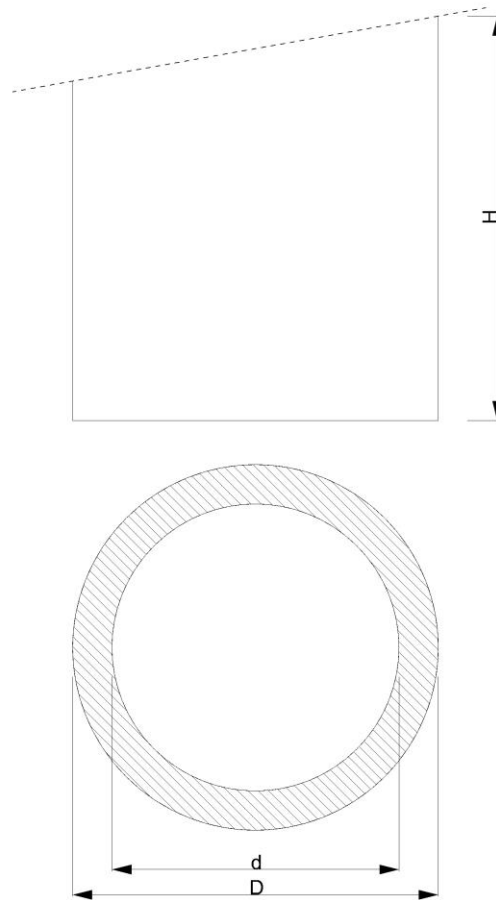


Glass-Epoxy Filament Winding tubes

by Laminati Kom
composites & engineering plastics



Material : Glass epoxy

Production process: Filament winding

Min. dimensions of inner diameter (d): 7 mm

Max. dimensions of outer diameter (D): /

Max. height (H): 4 500mm

*3D measurement inspection available on request

Technical characteristics				
Material	Glass epoxy			
Type of resin	Epoxy resin			
Type of reinforcement	Glass roving			
Grades				
NEMA LI 1	G10		G11	

Electrical properties				
	method	units		requested value
Insulating resistance after 24h in water	DIN53481	Ω	min	1×10^{10}
Breakdown voltage II $90 \pm 2^\circ\text{C}$ h=25mm in oil	DIN53481	kV	min	40
Breakdown voltage I $90 \pm 2^\circ\text{C}$ d=3mm in oil	DIN53481	kV	min	30

Mechanical properties				
	method	units		requested value
Flexural strength	DIN 53452	MPa	min	170
Elasticity modul	DIN 53457	MPa	min	1300
Compressive strength	DIN 53454	MPa	min	120
Tensile strength	DIN 53454	MPa	min	360

Other properties				
	method	units		requested value
Specific gravity		gr/cm^3		1.7-1.9
Water absorption	DIN 53495	%	max	1.5
Thermal classification	DIN 7735	Class		B / F