

Zestawienie produkowanych rur szkło-epoksydowych

ø16 x øD x 1700
ø18 x øD x 2100
ø18,5 x øD x 2100
ø19 x øD x 2100
ø20 x øD x 2200
ø22 x øD x 2100
ø24 x øD x 2100
ø25 x øD x 2100
ø26 x øD x 2260
ø27 x øD x 2200
ø27,5 x øD x 2100
ø28 x øD x 2500
ø30 x øD x 2500
ø32 x øD x 2100
ø32,5 x øD x 2500
ø33 x øD x 2100
ø34 x øD x 2100
ø35 x øD x 2100
ø39 x øD x 1800
ø40 x øD x 2500
ø42 x øD x 1600
ø49 x øD x 2100
ø52 x øD x 2100
ø70 x øD x 1700
ø85 x øD x 1200
ø90 x øD x 1200
ø105 x øD x 1200

D - outer diameter of the pipe specified by the customer, with the minimum wall thickness not less than 2 mm for diameters up to 70 mm and 4 mm for diameters above 70 mm. The table shows the maximum pipe length. At the customer's request, pipes with shorter lengths than those specified above can be made.



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**Pipes
glass-epoxy for
general technical
purposes**



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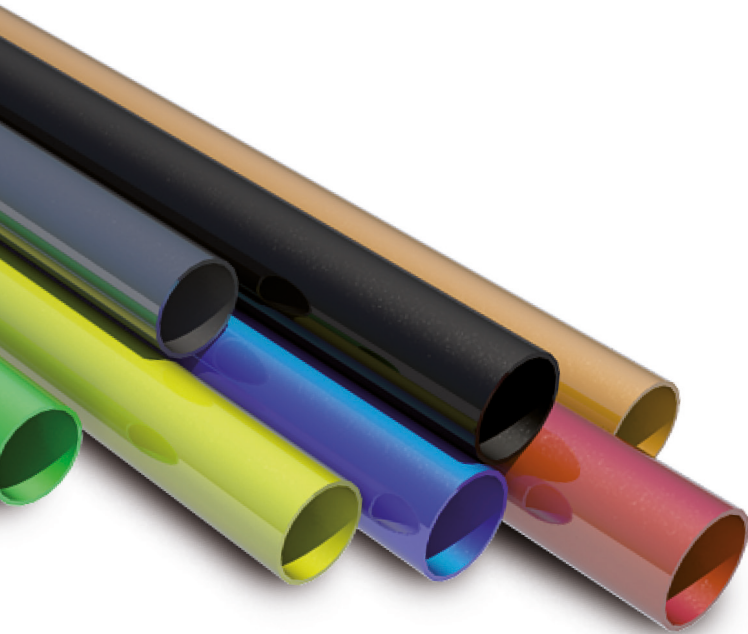
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Glass-epoxy pipes for general engineering purposes



Glass-epoxy pipes are made by winding on metal cores saturated with an epoxy composition of glass fiber. The structure of the pipe is programmed. The direction in which the fibers are arranged in the layers depends on the type of load carried by the pipe, most often it is bending or torsion.

Pipes are characterized by high anisotropy of mechanical and electrical properties.

Due to very good electrical insulating properties and high mechanical strength, they are widely used in the power industry to work in indoor conditions as elements of HV protective equipment or insulating and structural elements of devices and accessories that are the equipment of HV switching stations.

The company's offer includes the following types of pipes:

- pipes for general technical purposes, intended for bending work, with internal diameters ranging from Ø16 to Ø52 mm, meeting the requirements of the ZN-04 / RSE-1 standard;
- insulating pipes filled with foam for work under voltage above 1 kV, meeting the requirements of PN-EN 60855-1;
- hollow insulating pipes for work under voltage above 1 kV, meeting the requirements of PN-EN 61235.



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Technical parameters			
A type of resin	Epoxy resin		
Type of glass	E	ECR	
Heat resistance class	F	H	
Mechanical properties			
E-modulus for bending	>26	GPa	PN-EN 61235/PN-EN 60855-1
Flexural strength	>200	MPa	PN-EN 61235/PN-EN 60855-1
Torsional strength	>100	MPa	PN-EN 61235/PN-EN 60855-1
Electrical properties			
Specific wet surface resistivity	>10 ¹³	Ω	PN-E-04405
Specific surface resistivity to dry	>10 ¹⁴	Ω	PN-E-04405
Physical properties			
Glass content in the plastic (by weight)	>75	%	PN-EN ISO 1172
Density	1,97	g/cm ³	PN-EN ISO 1183-1