

TECHNICAL DATA SHEET

PACKING PTFE WITH GRAPHITE

Square braided packing made of PTFE yarn with graphite filling containing 15% silicone oil.

SCOPE OF APPLICATION

PTFE packing with graphite filling is used in machine components (e.g. centrifugal pumps) operating in water, steam, oil, solvents, acid and alkaline environments, at temperatures up to +280°C and pressures up to 10 MPa, pH 0-14, size range 4-25.

REQUIREMENTS

Braided packing PTFE with graphite shall have a non-damaged surface, without thickening and overstraining as well as protruding threads. The packing should not delaminate or crack.



max. Temperature [°C]	-200 to +280
pH	0 - 14
impeller pumps	p = 20 bar v = 10 m/s
piston pumps	p = 100 bar v = 2 m/s
armature	p = 100 bar v = 2 m/s
Mass increment in sodium hydroxide	>20%
Mass change in sulphuric acid	>25%
Mass loss at elevated temperature	>3%

TYPES OF TESTING

- Full testing of packing is carried out once every three months and after each new delivery of raw material.
- Sampling: linear mass, packing dimension, visual inspection.

thickness [mm]	4	6	8	10	12	15	18	20	25
tolerance	+/- 0,5%		+/- 0,8%			+/- 1,0%			
linear mass +/-15%	27	60	106	166	239	374	539	665	1040

PACKING, STORAGE, TRANSPORT, DISPOSAL

The packing should be placed in bags or cardboard boxes. Store in conditions which prevent contamination and destruction. The material is not hazardous according to current European Union regulations and requires no additional labelling. The packing material is not hazardous, does not contain asbestos, formaldehyde and phenolic derivatives. They may be stored in industrial waste dumps; no special conditions are required. Properly selected, stored, assembled and operated packing do not pose any danger. Use protective gloves during assembly. There are no other hazards.

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