

Cords basalt heat-insulating (SHBT)



- BSTV melts from basalt rocks at temperatures up to 1500°. Melt blowing fibers up to 3 microns.
- Phenols and formaldehydes are not used in production.
- Non-flammable, non-toxic.



Basalt heat-insulating cords (SHBT) are products consisting of a core made of heat-insulating heat-shielding canvas based on super-thin basalt fibers from rocks, without a binder. Cord produced with a high density braid of basalt, glass, silica, carbon or metal filaments wire.

APPLICATION

Cords are intended for use as a heat-insulating, fire-retardant and sound-proofing material in building structures of residential public, industrial buildings and structures, industrial, energy, boiler, cryogenic equipment, automotive, shipbuilding, nuclear industry, technological pipelines all industries at the operating temperature of the insulated surface from -2000°C to +1000°C depending on the material braids.

SPECIFICATIONS

Denomination	SHBT-6	SHBT-10	SHBT-20	SHBT-30	SHBT-40	SHBT-50	SHBT-60	SHBT-70	SHBT-80
1.Nominal diameter D, mm	6	10	20	30	40	50	60	70	80
2. Permissible deviations in D, mm	1	2	2	3	3	3	3	4	4
3.Density, kg/m ³	420..600	240..380	120..170	110..130	70..85	60..80	50..58	42..48	35..40
4. Compressibility in % no more	12		15			20			
5. Thermal conductivity W/m ² K, max, at t°C:									
298°K (250°C)	0,038		0,037		0,036			0,037	
398°K (1250°C)	0,060		0,059		0,058			0,059	
573°K (3000°C)	0,096		0,096		0,095			0,096	