

QV-DBK Swelling sealing tape self-adhesive

Self-sealing, nonwoven swelling material, consisting of mechanically preprocessed, heat-fixed, fibre-bonded material made of PP fibres and special super- waterabsorbent fibres, UV-stabilised.

Geotextile robustness class
TL Geok EstB05-3



Applications

Self-adhesive swelling tape QV-DBK consists of swelling sealing tape Article No. WO22.1 QV-DB manufactured with double-sided adhesive tape on one side.

Application:

- For sealing cushions and cable sealing

For example when petrolatum-vaseline tapes or old swelling tapes are replaced in the course of refurbishing sealing elements.

QAK/V sealing elements are more suitable (WO16) for service entries in buildings, in the areas of FTTH, photovoltaic, wind energy or bio-gas facilities etc, where a grease-free seal (no dripping oil etc.) is required within the temperature range.

QV-Seal water blocking layer are preferable for applications where requirements demand low weight and high resistance to cuts and burst pressure.

Product range

Art. No.	Sizes [mm]	Length [m]	Dimensions [mm] Thickness x width
22.2 QV-DBK	⁽¹⁾ 2.0 x 50/	10	2.0 x 50
22.2 QV-DBK	⁽²⁾ 4.2 x 135/	10	4.2 x 135
22.2 QV-DBK	⁽²⁾ 4.2 x 50/	10	4.2 x 50

* Special size, not kept in stock on a regular basis - available on request.

⁽¹⁾ 2,0 = 200 g/m²

⁽²⁾ 4.2 = 480 g/m²

Technical data

Swelling tape

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Weight per unit area dry/swollen/ dry	EN ISO 9864	450/ 8200/ 435 g/m ²
Thickness EN ISO 10319 wet/ dry	2 kPa 20 kPa 200 kPa	2.2/ 9.5/ 4.2 mm 1.5/ 7,0/ 1.9 mm 0.9/ 33/ 0.92 mm
Porosity Initial swelling Dry-wet alternation Frost-thaw alternation (4 cycles)		< 5.0 x 10 ⁻⁹ m/s < 3.0 x 10 ⁻⁹ m/s < 3.9 x 10 ⁻⁹ m/s
Static puncture resistance dry/swollen/ dry	EN ISO 12236	1.7 / 1.0/ 1.6 mm
Swelling pressure		ca. 170 kN/m ²
Penetration test	Damage (pierced hole) Ø 5 mm: unpressurised circular diffusion < 1 cm Water pressure increased to 7 m water column: no increase of diffusion Damage (pierced hole) Ø 5 mm: 7 m water column: fairly circular diffusion < 2.0 cm	
Resistance		DIN EN Test standard
<ul style="list-style-type: none"> resistant to acids and alkaline liquids weather-resistant microbiologically resistant resistance to oxidation t 110°C/ 28 days resistance to hydrolysis 95°C 		14030:2003-11 12224: 2000-11 12225:2000-12 13438:2005-02 12447:2002-03

Double-sided BSK adhesive tape

Description	Double-sided adhesive tape		
Construction:	Permanently bonding synthetic resin with high adhesive weight, exceptionally high adhesive contact, powerful adhesive force		
Backing material	Tissue paper, open-cell, low density structure		
Protective paper	Blue-green, calendered pergamyn		
Special properties	Excellent initial bonding strength. Good adhesion to uneven surfaces.. Easy-to-remove protective paper.		
Typical application	Foam bonding. Bonds on rough, uneven surfaces e.g. metals, plastics and on porous surfaces e.g. cork, felt etc.		
Technical data	Thickness	245 µm	Adhesive power on removal (180 C 20m min/24 h)
	Elongation	2.0%	Stainless steel 870/900
	Tensile strength	1.1 kN/m	Painted steel 900/ 910
	Contact bonding	1600 N/m	Polycarbonate 770/790
	Static shear strength 1000 g	110 ks	Temperature area -40 to +80°C

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