AB ÅKESSON BLOMQUIST

Sealing compounds // Adhesives // Cast resins

Technical Data Sheet epple 32

Description:

epple 32 is a solvent-containing sealing compound on the basis of copolymers. It remains elastic in the sealing joint and provides a high ductile content, so that even vibration or expansion due to temperature will be balanced. epple 32 is particularly resistant against acids, leaches and saline solutions.

Field of application:

Sealing of joints.

epple 32 is used as sealant in acid construction and in the construction of refrigerating devices. This sealant is particularly suitable for the use in acid construction, e. g. for pumps, cable blushings etc., as well as for the waterproofing of cold-resistant humidity-isolators and isolators. The exposure to oils and fuels is to be avoided.

Specific properties:

epple 32 is silicone-free.

Application / surface:

- The surfaces of the assembly components have to be clean and free from dust and grease.
- The skin formation time at ambient is of 15 minutes.

Cleaning of tools:

Thinner epple 12.

Packaging unit:

Cartridge.

Basis / characteristics				
solvent-containing	aqueous	solvent-free	**curing**	duroplastic

Properties of the liquid sealing compound		
Property	**according to Standard**	**Value**
Viscosity	DIN EN ISO 3219	65 Pas
Density	DIN 53479	1,06 g/cm³
Colour		black
Solid content		50 %
Storage	24 months in closed original containers, stored in a dry and cool place (ideal storage temperature: 5 - 30 °C).	

Properties of the cured sealing compound		
Property	**according to Standard**	**Value**
Curing ventilation time skin formation time curing / track of 5 mm	-	 none 15 min 8 h
Curing conditions / contact pressure	-	> 5 ° C no contact pressure required, just fixing
Hardness Shore-A Shore-D elasticity	 DIN 53505 DIN 53505	 - - duroplastic
Tensile test strength elongation	epple-standard (acc. to DIN EN ISO 527)	 1,5 N 60 %
Adhesive strength in the shear tension test wood / wood steel / steel (blasted SA2,5) PA 6 / PA 6	DIN EN 1465	- - 0,5 N/mm² 0,5 N/mm²
Adhesive strength in the peel test 180 °	DIN EN 1464	-
Surface cleavability	-	none
Temperature resistance	-	- 50 ° C to + 110 ° C
Thermal conductivity	ISO 8894-1	-
Absorption of water 20 ° C / 7 days 20 ° C / 30 days 100 ° C / 30 minutes	ISO 62	- - -
Chemical resistance	epple-standard	acetone, ethyl acetate, ethyl alcohol, ammonia solution 25 %, ammonia vapours, chromic acid, glacial acetic acid, acetic acid 5 %, glycerine*, glycol*, conc. caustic soda, caustic soda 5 %, conc. phosphoric acid, conc. nitric acid, nitric acid 5 %, conc. hydrochloric acid, hydrochloric acid 5 %, conc. sulphuric acid, sulphuric acid 5 %, saline solutions, water, boiling water, detergent leach, ozone.

*applicable for anhydrous solvents only. The information given is scrutinised and experiential.

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