Ködispace 4SG

General Properties	Technology/Base	Polyisobutylene
	Type of Product	Insulating glass sealant Reactive thermoplastic spacer
	Parts	One part system
	Colour	Black
	Product Benefits	High productivity due to fully automated application Integrated desiccant Warm-edge-system Improved U-value of IG edge Improved insulation Chemically bonds to glass and most silicone secondary sealants Very low water vapour transmission rate and gas permeability Very high UV resistance

Typical Technical Data

General

Physical Properties		
Density	1.28 g/cm^3	DIN EN ISO 2811-1, 23 °C
Standard moisture adsorption capacity (Tc)	3.6%	EN 1279-4 annex G
Thermal Conductivity	0.350 W/(m·K)	23 °C, EN ISO 10456
Processing Guidelines and Parameters		
Shelf Life	18 months	
Storage Temperature	10 °C to 30 °C	
Processing Temperature	115 °C to 140 °C	
Melt Volume-Flow Rate (MVR)	15.0 cm^3 / 10 min	DIN EN ISO 1133, 10 kg, 130 °C
Material Properties		
Volatile content	$\leq$ 0.008%	EN 1279-4 annex H
Fogging	without visual fogging	EN 1279-4 annex C
Fogging	without visual fogging	ift Guideline VE-07/3, 80 °C
Fogging	without visual fogging	ASTM E 2189,
Cured Material Characteristics		
Gas permeation rate (Argon)	0.0014 g/(m^2·h)	EN 1279-4 annex D
Gas permeation rate (Argon)	0.033 g/(m^2·d)	EN 1279-4 annex D
Water vapour transmission rate	0.15 g/(m^2·d)	EN 1279-4 annex D

Service Conditions Service Temperature	-40 °C to 90 °C	
Packaging Units Content	220 kg	drum

Product Properties

Applications	Fields of Application	Manufacturing of insulating glass
	Typical Applications	Manufacturing of laminated glass with liquid composite PIB based desiccant filled spacer for insulating glass
Processing	Suitable Substrates	Glass
	Consistency	Solid compound, can only be applied at elevated temperatures
	Surface Requirements	Dry Clean Free of grease Free of dust
	Surface Cleaning	Körasolv GL
	Application Method	Automatic application
	Application Equipment	Drum melting system
Certifications	Certifications and Declarations of Conformity	CAN/CGSB-12.8 ASTM E2190 CEKAL EN 1279 pt. 2 + 3 + 4 IGCC KIWA RAL-GZ 520 (Spacers)
Hints	Supplementary Guidelines	Technical Information TI 69 Polysulfide and silicone as secondary sealant Contact your H.B. Fuller | Kömmerling representative for approved secondary sealants.

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Glass Americas

Additional Information

Storage

Ködispace 4SG should be used within the shelf life specified on the packaging. The storage stability applies to material stored under appropriate conditions only (original unopened containers, recommended storage temperature).

Safety

Please read our Safety Data Sheet (SDS) and the labels of each product before use. The valid safety regulations must be considered.

Preparation

Due to the huge variety of available substrates preliminary testing regarding adhesion and compatibility is strongly recommended.

Processing

Refer to the technical data table regarding processing parameters.

Cleaning

Clean tools immediately after use. Appropriate cleaners are listed in the product properties table.

Disposal

Please refer to the Safety Data Sheet (SDS) for disposal instructions.

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