



# Isomelt

<b>General Properties</b>	Technology/Base	butyl rubber
	Type of Product	insulating glass sealant
	Parts	one part system
	Color	black, grey
	Product Benefits	very low water vapour transmission rate and gas permeability

## Technical Data

### General

<b>Physical Properties</b>		
Density	1.17 g/cm <sup>3</sup>	DIN EN ISO 2811-1, 23 °C
<b>Processing Guidelines and Parameters</b>		
Shelf Life	24 months	
Storage Temperature	10 °C to 30 °C	
Processing Temperature	170 °C to 180 °C	hotmelt extruder / tank melting system
Processing Temperature	160 °C to 180 °C	insulating glass line
Processing Temperature	95 °C to 120 °C	Intercept line / linear extruder
Melt Volume-Flow Rate (MVR)	155 cm <sup>3</sup> / 10 min	DIN EN ISO 1133, 2.16 kg, 180 °C
<b>Material Properties</b>		
Volatile content	0.88%	EN 1279-4 annex H
Fogging	without visual fogging	EN 1279-4 annex C
<b>Cured Material Characteristics</b>		
Adhesion float glass	0.20 MPa	EN 1279-4 annex A, crossover stress ( $\sigma_C$ )
Gas permeation rate (Argon)	< 0.003 g/(m <sup>2</sup> ·h)	EN 1279-4 annex D
Gas permeation rate (Argon)	< 0.060 g/(m <sup>2</sup> ·d)	EN 1279-4 annex D
Water vapour transmission rate	< 0.50 g/(m <sup>2</sup> ·d)	EN 1279-4 annex D
<b>Packaging Units</b>		
Content	6.5 kg	carton
Content	7.0 kg	slug
Content	18 kg	pail
Content	210 kg	drum
Content <sup>1</sup>	18 kg	pail

<sup>1</sup> grey



**Product Properties**

<b>Applications</b>	Fields of Application	manufacture of insulating glass
	Special Applications	secondary sealant for insulating glass
<b>Processing</b>	Suitable Substrates	various galvanized steels various stainless steel alloys various aluminum alloys various plastic 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	bulk melting system drum melting system linear extruder
<b>Certifications</b>	Certifications and Declarations of Conformity	ASTM E2190 CEKAL EN 1279 pt. 2 + 3 + 4 IGCC



## Additional Information

### Storage

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

### Safety

Please read our Material Safety Data Sheet (MSDS) 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 Material Safety Data Sheet (MSDS) for appropriate disposal instructions.

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