

Provisional Technical Data Sheet

ISOcor CS 1089 Polyol
ISOcor CD 526 Isocyanate

Description

ISOcor CS 1089 Polyol is designed for the production of sprayed foams for cavity filling, with an applied density of. The reaction of **ISOcor CS 1089 Polyol** and **ISOCOR® CD 526 Isocyanate**

gives foams with good mechanical properties, dimensional stability and good adhesion to usual substrates. Both high and low-pressure machine can be used during the processing. It is recommended a substrates temperature not lower than 25 C. ISOcor CS 1089 Polyol contains 141b as a blowing agent.

Fire rating (DIN4102-1) B3

Numerical flame spread or fire classification is only indicative, they are not sales specifications and they are obtained from tests in our laboratories.

Numerical flame spread or fire classification is not intended to reflect hazards presented by this or any other material under actual fire conditions.

**Typical
Component
Properties**

	Units	ISOcor CS 1089 Polyol	ISOCOR CD 526 Isocyanate	Test Method
Hydroxyl Nr	mgKOH/g	320	-	ASTM D 4274d
NCO content	%	-	31.0	ASTM D 5155
Viscosity	mPa.s	250 (20 -25 °C)	210 (25 °C)	ASTM D 445
Specific Gravity	-	1.105 (20/20 °C)	1.24 (25/25 °C)	ASTM D 891

**Recommended
Process
Conditions**

Both high and low pressure machines can be used.

	Units	Limits
ISOcor CS 1089 Polyol	pbw	100
ISOCOR CD 526 Isocyanate	pbw	120

**Typical Reaction
Characteristics⁽³⁾**

	Units	Handmix	Test Method
Cream time	s	3-4	Internal Isotech Method – SH-PM-02
Gel time	s	12	Internal Isotech Method – SH-PM-02
Tack Free Time	s	14	Internal Isotech Method – SH-PM-02

Free rise density

Kg/m³ 30 - 32

Internal Isotech Method – SH-PM-04

1. Data referred to laboratory tests made with Isocyanate component at 20°C and Polyol component at 20°C, hand-mixed with mechanical stirrer at 3000 rpm. Reported values vary depending on processing condition.

Handling and Storage

	Units	ISOcor CS 1089 Polyol	ISOCOR CS 1164 Isocyanate
Storage temperature	°C	15-25	15-25
Storage stability / Shelf life ⁽⁴⁾	months	3	6

2. Stored in the original sealed drums in a dry place at the recommended temperature

Typical Polymer Properties

These items are provided as general information only

	Units	Values	Test Method
Working ratio Pol/Iso	pbw	100/120	/
Overall applied density	Kg/m ³	42 -45	ASTM D1622
Closed cell content	%	> 95	ASTM D 2856
Initial thermal conductivity , 23 °C	mW/mK	22	UNI 7891
Compressive strength (thickness direction)	KPa	300	UNI 6350
Dimensional stability (linear changes)			UNI 8069
- 48 hours at -25°C	%	1 max	
- 48 hours at 70°C	%	1 max	

Safety Considerations

Material Safety Data (MSD) sheets are available from The Isotech Chemical Company. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are available from the nearest Isotech sales office..

Customer Notice

Isotech encourages its customers to review their applications of Isotech products from the standpoint of human health and environmental quality. To help ensure that Isotech products are not used in ways for which they were not intended or tested, Isotech personnel are willing to assist in dealing with ecological and products safety consideration. Your Isotech representative can arrange the proper contacts.

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