

PearlVisco MF-50-1

General Properties and Applications

The formulated polyol PearlVisco MF-50-1 is used in combination with isocyanate System ISO HRB 33 to produce viscoelastic cold cure foams. It is used to make molded parts.

Sampling

Avoid access of humidity. Stirr well before taking samples.

Specification

Property	Value	Unit of measurement	Method
Hydroxyl number	42.5 ± 4.5	mg KOH/g	LPUR-049
Water content	4 ± 0.15	%	LPUR - 001
Viscosity at 25 °C	1200 ± 150	mPa·s	LPUR - 002

Other Data*

Property	Value	Unit of measurement	Method
Density at 23°C	approx. 1.08	g/cm³	LPUR - 050

* These values provide general information and are not part of the product specification

Packaging

IBC (1000 kg)

Storage

Keep the container tightly closed in a cool, well-ventilated place. Store between 15 and 25°C and keep away from food and other feeding stuff.

Under these conditions, the PearlVisco MF-50-1 stability is 6 months after delivery date if stored in sealed, moisture-tight containers.

Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.

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Directions for Processing

Recommended mixing ratio		(parts by weight, Index 70):
PearlVisco MF-50-1		100
System ISO HRB 33		46
Hand mix data		(internal laboratory methods):
Start time:		approx. 15 s
Gel time:		approx. 100 s
Rise time:		approx. 155 s
Free rise density:		approx. 40 kg/m ³
Recommended mould density:		42-46 kg/m ³

Processing conditions:

Components temperature: 20-25°C (POL) ; 20-25°C (ISO)

Mold temperature (suggested): 45°C

Demoulding time (suggested): 7 min.

*The polyol has to be stirred thoroughly before usage.

This is a trial product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. Commercialisation and continued supply of this material are not assured. Its supply may be discontinued at any time.

This product is not designated as „Medical Grade“ and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)*. [This product is also not designated for Food Contact (1), including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications Pearl Polyurethane Systems LLC must be contacted in advance to provide its agreement to sell such product for such purpose.]

Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Pearl Polyurethane Systems LLC.

1) As defined in Commission Regulation (EU) 1935/2004.

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