

POLYOL SYSTEM

1173-28 RD125

DESCRIPTION

Polyol System 1173-28 RD125: This polyol system is a mixture which contains high functionality polyols, special catalysts, stabilizers and ozone-friendly new generation blowing agents. It does not contain HCFC-141B.

Isocyanate MDI: It's made of diphenylmethane diisocyanate and dark in color.

APPLICATION

This system is used for refrigerated container, block panel and industrial cooler manufacturing. High closed cell ratio provides high isolation capacity. Special additives provide excellent adhesive performance and filling property.

LABORATORY TEST DATA

| | Unit | Value | Method |
|------------------------------------|-------------------|----------|----------------|
| Mixing Ratio (Polyol / Isocyanate) | Weight | 100/120 | |
| Cream Time | s | 13 ± 3 | ASTM D 7487-08 |
| String Time | s | 135 ± 15 | ASTM D 7487-08 |
| Full Rise Time | s | 175 ± 15 | ASTM D 7487-08 |
| Free Density | kg/m ³ | 28 ± 1 | DIN 51757:2011 |

TECHNICAL PROPERTIES

| | Unit | Polyol | Isocyanate | Method |
|---------------------|-------------------|-------------|------------|----------------|
| Storage Temperature | °C | 15 -25 | 15 -25 | |
| Shelf Life | month | 6 | 6 | |
| Specific Gravity | g/cm ³ | 1,11 - 1,12 | 1,23 | DIN 51757:2011 |
| Viscosity (25°C) | mPa.s | 250 ± 50 | 230 ± 30 | DIN 53018 |
| Free NCO Content | % | - | 31,5 ± 1 | ASTM D5155 |

Information within this document is based on our Professional experience and know how. This information does not eliminate the necessity of the user to test the material's compatibility with their specific production. We suggest the end users to evaluate our products under their own production conditions and act according to our recommendations. As the consumption and usage of our products are free of our supervision we do not take responsibility for errors due to application faults.

APPLICATION CONDITION

| | Unit | Polyol | Isocyanate | Method |
|------------------|------|--------|------------|--------|
| Tank Temperature | °C | 20-22 | 20-22 | |
| Mold Temperature | °C | 30-40 | | |

STORAGE

Polyurethane systems are quite sensitive to humidity and temperature thus it is necessary to act according to the recommendations given in the Material Safety Data Sheet.

Containers should always be air tight and protected from water penetration.

Polyurethane Systems must be agitated before use.

CAUTIONS

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling system components. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling.

This cannot be overemphasized.

Information is available in several forms, e.g., material safety data sheets and product labels.

DISPOSAL

It is applicator's responsibility to minimize the amount of waste material and dispose the waste according to local regulations.

SAFETY ADVICE

Protective eye wear, gloves, clothes and boots must be worn during production.

Must be refrained from contact with skin.

In case of contact with eyes and skin or consumption through mouth or nose, effected area must be washed thoroughly with large amounts of water for a minimum of 15 minutes. Medical care should be provided right after to prevent any possible bodily damage.