

Product Information

Polyurethanes

PU 8415

FEATURES

- FRD 150 g/l
- Dimensional stability
- Mechanical properties.

COMPOSITION

- Polyol PU8415 A
- Isocyanate PU8415 B



Structural rigid polyurethane, expanding with HFO. Recommended molded density 400-600g/l.

APPLICATIONS

- Suitable for the production of furniture and technical items.
- Use with mixing and dosing machines.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact your local sales representative prior to writing specifications on this product.

Property	Unit	Value
Colour (Part A/Part B)	visual	yellow / brown
Density at 23°C (Part A/Part B)	g/cm ³	1.080 / 1.230
Viscosity at 23°C (Part A/Part B)	mPa.s	2000 / 210
Mix ratio (A : B)	pbw	100 : 100
Cream time	Seconds	25
Gel time	Seconds	70
Free rise density	kg/m ³	150

SETTINGS

Mechanically mix PU8415A (polyol) before each withdrawal from the container. Isocyanate and polyol must be worked at a temperature between +20°C and +25°C. We recommend a mould temperature between 40°C and 60°C. Treat the mold with a specific wax-based release agent.

USE

We recommend an high pressure mixing and dosing machine. The shrinkage of the pieces is variable according to the processing parameters and the geometry of the mold.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products is contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks to health and the environment and for the suitable protective devices to be adopted. Share

the safety data sheets with all staff involved in the use of the products.

USABLE LIFE – STORAGE

Polyol and isocyanate must be stored in the original unopened containers at a temperature between +15°C and +35°C. Low temperatures slow down the reaction rate, high temperatures increase it, leading to variations in expansion and density. Bring the components to 20°C - 25°C before loading into the machine to avoid long waiting times to reach the recommended processing temperature. Be sure to close the containers after use. Isocyanates are sensitive to humidity. Polyol and isocyanate, if stored under the specified conditions, have a shelf life of 12 months from the date of manufacture.

PACKAGING

The components are supplied in 200 liter drums or 1000 liter tanks. For other packaging please contact our sales department.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to be accurate. However, as the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values that are out of specification is limited to the replacement of the product or the refund of the purchase price.

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