Product Information

Furniture

PU 8891

FEATURES

- TDI based
- Fast demoulding

COMPOSITION

- Part A: Polyol PU8891 A
- Part B: Isocyanate PU8891 B

Flexible two-component polyurethane system, TDI-based, processable by mechanical mixing and dosing machine.

APPLICATIONS

- Designed to make flexible foams for furniture.

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	Cream/ Brown
Density at 23°C (Part A/Part B)	g/cm^3	1.01 / 1.22
Viscosity at 23°C (Part A/Part B)	mPa.s	1300 / 100
Mix ratio	pbw	100 : 25
Cream time	mins / sec	00’ : 15’’
End of expansion	mins / sec	01’ : 50’’
Gel time	mins / sec	02’ : 30’’
Free rise density	kg/m^3	45 - 50

RESIN SETTING

Mechanically mix Part A (Polyol) at low speed before each withdrawal from the container. The two components must be processed at a temperature between +20°C and +30°C. High temperatures increase the reaction rate, reducing the workability time.

MIXING

Use specific mixing and dosing systems for two-component polyurethanes, checking the flow rate and ISO / POL ratio. The higher the temperature of the environment, of the components, of the mold, the shorter the workability time. For coloring we recommend the use of specific pigment pastes for polyurethanes to be added in Part A (polyol) in quantities not exceeding 5%. This resin is aromatic and is therefore subject to yellowing.

MOLD

Use metal or epoxy resin molds thermostated at a recommended temperature of 40-50°C.

CURING

The product can generally be processed within the times indicated above. The curing time depends on the mass: thinner thicknesses require longer curing times. High product and environmental temperatures lead to reductions in workability and curing times. Contrariwise, low temperatures mean longer times.

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 +10°C and +35°C. Isocyanates can crystallize at low temperatures. Bring the components to 20-25°C before use. Be sure to close containers tightly after use. Polyol and isocyanate, if stored under the specified conditions, have a shelf life of 6 months from the date of manufacture.

PACKAGING

The polyol is supplied in 200 liter drums or 1000 liter tanks; the isocyanate in 200 liter drums. 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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