

# POL 423D

Edition 1 / April. 2021

## Description:

POL 423D is a formulated Polyol to be used in rigid foam with high density for production of wood imitation, decorative articles and technical items. The moldings are characterized by a good finishing, high impact resistance and high stiffness. This polyol is possible to obtain a wide range of furniture parts which can be assembled alone or together with natural wood one.

This Polyol is a mixture of polyether polyols, glycols, activators (contains amine), stabilizer and does not contain any physical blowing agent.

The product is based on Diphenyle Methane Diisocyanate and can be used with all available brands of MDI possessing the below mentioned properties.

## POL 423D

Specification and typical properties	Appearance	Light yellow liquid
	Viscosity at 25 ° C	approx. N.A mPa.s
	Density at 25 ° C	approx. N.A g/cm <sup>3</sup>

## MDI

Specification and typical properties	Appearance	Dark brown liquid
	Viscosity at 25 ° C	approx. 160-240 mPa.s
	Density at 20 ° C	approx. 1.23 g/cm <sup>3</sup>
	NCO content	30.5 -32.5 % by wt.
	Acidity max.	200 ppm HCl

## Processing Conditions and performance (LAB TEST)

Product	Parts by weight	Cream Time-(sec.)	Rise Time (sec.)	Free rise density (g/l)
POL 423D	100	80-90	140-150	410-430
MDI	100			



## Laboratory Conditions:

Iso/Polyol temperature	22 - 25 ° C.
Mixing speed	1000 rpm
Mixing time	8 sec.
Elevation	1000 meters from sea level

## Processing Conditions at Machine

Iso/Polyol temperature	22 - 25 ° C.
Mould temperature	35 - 45 ° C
Demoulding Time	15 ~ 25 min.

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**Shelf life**            Shelf life is guaranteed for 6 months.

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## Safety Information

Avoid direct skin contact as it may cause irritation/ blistering. If spilled over eyes should be rinsed with eyewash solution and cold water. If ingested, mouth should be washed with water and should not induce vomiting.

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**Preparation**        Before using, this polyol has to be mixed very well.

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**Packing**            POL 423D will be delivered in 220 kg net drums.

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This product is very sensible to moisture, and drums have to be closed very well.  
The recommended storage temperature is between +15° and +25° C.  
Polyol should not be stored below 15 ° C and Isocyanate not below 15 ° C.  
The storage life is guaranteed for 6 months.

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