

POL 615-1

Edition 1 / Aug. 2016

Description:

POL 615-1 is a formulated polyol to be used in combination with HCFC 141b and MDI for the production of medium and high thickness self-supporting polyurethane panels by discontinuous process.

This Polyol is a mixture of polyether polyols, activators (contains amine), stabilizer and contains no blowing agent.

This system can be processed using both low and high-pressure dispensing machines.

POL 615-1

Specification and typical properties	Appearance	Light yellow liquid
	Viscosity at 25 ° C	approx. 1100±100 mPa.s
	Density at 25 ° C	approx. 1.08 g/cm ³

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 ³
	NCO content	30.5 -32.5 % by wt.
	Acidity max.	200 ppm HCl

Processing Conditions and performance (LAB TEST)

Product	Part By Weight	Cream Time (sec.)	Gel Time (sec.)	Free Rise Density Kg/m ³
POL 615-1	100	20-30	180-200	27-30
HCFC 141B	13			
MDI	140			

Iso/Polyol Temp	24° C
Mould Temp	35-40° C

Typical Foam Properties

Item	Units	results
Panel Thickness	mm	40-100
Density Core	Kg/m ³	40
Overall	Kg/m ³	45
Demold time	min	40-45
Closed cell content	%	>90

Shelf life Shelf life is guaranteed for 6 months.

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.

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

Packing POL 615-1 will be delivered in 220 kg net drums.

Storage

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.
