

POL 621 FR

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Description:

POL 621 FR is a formulated Polyol to be used in combination with HCFC 141b and MDI for the production of B3 fire rating, low and medium thickness self-supporting polyurethane panels by continuous double band lamination 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 621 FR

Specification and typical properties	Appearance	Light red liquid
	Viscosity at 25 ° C	approx. 2900±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)

Processing Temperature ° C.	22-25
Cream Time (s)	9-17
Gel Time (s)	45-80
Free Rise Density (Kg/m ³)	30-34

Mixing Ratio (By Weight)	
Pol 621 FR	100
HCFC	22
DMCHA	2-3.5
MDI	150

Typical Foam Properties

Item	Units	Results
Panel Thickness	mm	20-150
Density Core	Kg/m ³	38-40
Overall		44
Compressive Strength	N/mm ²	0.14
Dimensional Stability -14° C	%	<2
24 hrs. +95° C		<2.2
Thermal Conductivity at 20 ° C	W/mK	0.0255

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 621 FR 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.
