

POLYOL 617 FR

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Description:

POLYOL 617 FR is a B2 equivalent Flame Retarded fully 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 and brominated polyols, activators (contains amine), stabilizer and Flame Retardants, without any blowing agent.

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

POLYOL 617 FR

Specification and typical properties	Appearance	Light yellow liquid
	Viscosity at 25 ° C	2000-2400 mPa.s
	Density at 25 ° C	approx. 1.08 g/cm ³
	OH Value	390-410 mgKOH/g

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.	25
Mixing Ratio (Pol:HCFC:MDI)	100:22:142
Cream Time (s)	25-33
Gel Time (s)	130-150
Free Rise Density (Kg/m ³)	26-30
Moulded Density (Kg/m ³)	37-39

Typical Foam Properties

Item	Units	R-11 results
Panel Thickness	mm	20-150
Density Core	Kg/m ³	40
Overall	Kg/m ³	45
Compression Strenght	N/mm ²	0.19
Thermal Conductivity	W/mK	0.021
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 POLYOL 617 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.
