

POL 611 FR

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Description:

POL 611FR is a formulated Polyol to be used in combination with HCFC 141b and MDI for the production of B2 fire rating, low and medium thickness self-supporting polyurethane panels by continuous double band lamination process.

This Polyol is a mixture of polyether polyols, stabilizer, flame retardants and contains no blowing agent.

POL 611 FR

Specification and typical properties

Appearance	Dark yellow liquid
Viscosity at 25 ° C	approx. 2500 mPa.s
Density at 25 ° C	

MDI

Specification and typical properties

Appearance	Dark brown liquid
Viscosity at 25 ° C	approx. 150-250 mPa.s
Density at 20 ° C	approx. 1.23 g/cm ³
NCO content	30.2 -32.5 % by wt.
Acidity max.	500 ppm HCl

Processing Conditions and performance (LAB TEST)

Processing Temperature ° C.	22-25
Cream Time (s)	9-17
Gel Time (s)	31-66
Free Rise Density (Kg/m ³)	27-31

Mixing Ratio (By Weight)	
Pol 611 FR	100
HCFC	22
DMCHA	1.8-3.2
MDI	140

Typical Foam Properties

Item	Units	Results
Panel Thickness	mm	40-150
Density Core	Kg/m ³	38-42
Overall	Kg/m ³	44
Compression Strenght	N/mm ²	0.27
Dimensional Stability	%	-14° C <0.5
		+95° C <2
Thermal Conductivity mean Temp. 20 deg C	W/mK	0.02045

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 611 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.
