

POL 611 FR-Exp 3

Edition 1 / Feb. 2015

Description:

POL 611 FR-Exp 3 is a B2 equivalent flame retarded formulated Polyol to be used in combination with HCFC 141b and MDI, low and medium thickness self-supporting polyurethane panels by continuous double band lamination process.

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

POL 611-FR Exp 3

Specification and typical properties

Appearance
Viscosity at 25 ° C
Density at 25 ° C

Dark yellow liquid
approx. 1600 mPa.s
approx. 1.1 g/cm³

MDI

Specification and typical properties

Appearance
Viscosity at 25 ° C
Density at 20 ° C
NCO content
Acidity max.

Dark brown liquid
approx. 150-250 mPa.s
approx. 1.23 g/cm³
30.2 -32.5 % by wt.
500 ppm HCl

General Processing Conditions and reaction properties

Processing Temperature ° C.	22-25
Cream Time (s)	9-12
Gel Time (s)	35-45
Free Rise Density (Kg/m ³)	36-39

Mixing Ratio (By Weight)	
Pol 611 FR-Exp 3	100
HCFC	10
DMCHA	1
MDI	120

Typical Foam Properties

Item	Units	Results
Panel Thickness	mm	40-150
Density Core	Kg/m ³	38-41
Overall	Kg/m ³	44
Compression Strenght	N/mm ²	-
Dimensional Stability	%	-
Thermal Conductivity mean Temp. 20 deg C	W/mK	-

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 induce vomiting.

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

Packing POL 611 FR-Exp 3 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.
