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ISOEXTER V 158 B2-S(150)

General description and applications

It is a polyol blend designed for high density discontinuous structural block foam production, widely used in the building industry as wall, insulated tanks and pour-in-site, at medium-high thickness.

Isoexter V158B2-S(150) is based on a CFC and HCFC free blowing agent, and the resultant foam from the reaction with Isocom L (polymeric MDI), meets class B2 according to DIN4102 standard.

Chemical-physical characteristics

Parameter	Value	Unit of measure	Method
Appearance*	Viscous liquid		MA 001 LCP
Colour*	Yellow-brown		Visual
Viscosity at 25 °C*	850	mPa.s	MA 041 LCP
Specific gravity at 20 °C	1.03	g/mL	MA 181 LI

* Parameters under control

Mixing ratio

Isoexter V158B2-S(150) at 20-25 °C	100 pbw
Isocom L at 20-25 °C	110 pbw

Cup test at 20 °C Using 3000 RPM

Parameter	Value	Unit of measure
Cream time	45 - 55	Sec.
Gel time	200-240	Sec.
Tack free time	300- 350	Sec.
Free rise density	130-135	kg/m ³

Foam properties

Parameter					Method
Dimensional stability	Length	Height	Thickness	Density kg/m ³	UNI 8069
% var. after 48 hrs at -25 °C	-0.05	-0.07	+0.15	149.4	
% var. after 48 hrs at +70 °C 90% U.R.	-0.10	-0.12	+0.17	150.2	
Compressive strength 10% parallel to rise	>500 Kpa				UNI 6350-1968
Closed cells correct value	90 %				
Flame resistance	B2				DIN 4102

Storage

In sealed drums at room temperature for 6 months.

Note

The above information is based on our present technical knowledge and experience, but it cannot be considered as warranty to fully meet application parameters without optimisation.

Test methods

Test methods (MA) referred to in the chemical –physical characteristics are available on request.