

PURINOVA

Technical Information

no. 67/2010

Izopianol 03/35 N/03

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DP No. 03 -CPR305-2014

GENERAL INFORMATION

Izopianol 03/35 N/03 is two component system for producing rigid polyurethane foam. No blowing agent lean the ozone layer containing, conforming with UE regulations (WE) nr 2037/2000.

Product possess sanitary certificate PZH: HK/B/0726/01/2014.

PRODUCT CHARACTERISTIC			
	Component A	Component B	
Viscosity 25°C [mPas]	200 - 500	170 - 230	WL/3/PURINOVA
Density 25°C [g/cm ³]	1.10 - 1.20	1.22 - 1.24	WL/8/PURINOVA
Mixing ratio (by volume)	100	100	
FOAMING CHARACTERISTIC WL/20/PURINOVA			
Start time [s]		4-6	
Gelation time [s]		11-13	
Tack free time [s]		14-16	

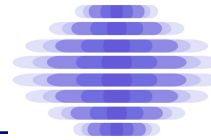
APPLICATION

In the formulation of thermal-insulating polyurethane spraying rigid foam (ceilings, walls).

Component A (Izopianol 03/35 N/03) mixture of polyols with additives.

Component B (Purocyn B) polymeric diphenylmethane 4, 4' diisocyanate.

Surface spraying should be clean and dry, with temperatures min.10°C, the ambient temperature during spraying min.15°C and humidity 40 - 60%. The spray layer thickness should be in the range of 15-30 mm.



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FOAM PROPERTIES		
Thermal conductivity [W/mK]	$\lambda_m - (0.020 - 0.021)$ $\lambda_{90,90} - (0.021-0.022)$ $\lambda - 0.0247$	EN 14315-1:2013 (PN -EN 12667:2002)
Examination after 21 day exposure at + 70 ° C		
Water vapour transmission Water vapour transmission factor, water vapour resistance factor, μ	$\geq 0.01006 \text{ mg}/(\text{m}\cdot\text{h}\cdot\text{Pa})$ ≤ 72.5	EN 14315-1:2013 (PN - EN 12086:2013)
Water absorption	$\leq 0.10 \text{ kg}/\text{m}^2$	EN 14315-1:2013 (PN EN 1609: 2013) metoda B
Density foam in finished product [kg/m ³]	37 ±10%	PN - EN 1602 : 1999
Compressive strength at 10 % strain	$\geq 190 \text{ kPa}$	EN 14315-1:2013 (PN EN 826:2013)
Close cells content [%]	min. 90	PN -ISO 4590
Classification regarding reaction to fire	E	EN 14315-1:2013 (PN EN 13501 -1+A1:2010, PN EN ISO 11925 -2: 2010)

DESCRIPTION OF FOAMING IN A LABORATORY

Reaction times and free rise density under laboratory conditions (ambient temperature 20 ° C) during hand foaming. Reaction times are measured from the start of mixing. Start time - until the growth of the mixture. Gel time - until the gelled fibers from pulling out of the foam. The free rise density of the core is measured after excision of a rectangular cube of foam (according to PN EN 1602:1999).

Note: The process for the preparation of the foam takes place with the release of heat, and therefore it depends on the external conditions, ie, the lower the temperature of the raw materials of the substrate or the environment, the lower is the degree of expansion (foaming). Foam properties becomes full after 24 hours.

CONDITIONS OF STORAGE AND TRANSPORT

Optimal storage temperature is 15 - 23 ° C. Raw materials should be stored in dry and closed rooms. Both components must be protected against moisture from the air. Shelf life in original manufacturer's packaging, stored at the recommended conditions is 6 months from the date of manufacture. According to RID / ADR, both components are not hazardous materials.



Note: The data contained herein have been obtained in terms of model.
While working in other circumstances it is possible to obtain results slightly differ from those given.