

Izopianol 03/10 N
version 9/1 date 07.06.2016
DP No. 01 -CPR305-2014

GENERAL INFORMATION

Izopianol 03/10 N 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]	350 - 850	170 - 230	WL/3/PURINOVA
Density 25°C [g/cm ³]	1.0 - 1.15	1.22 - 1.24	WL/8/PURINOVA
Mixing ratio (by volume)	100	100	
FOAMING CHARACTERISTIC			
Start time [s]			2-3
Gelation time [s]			5-8
Tack free time [s]			10-13

APPLICATION

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

Component A (Izopianol 03/10 N) mixture of polyols with additives.

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

Surface spraying should be clean and dry, with surface temperature min. 5°C, the ambient temperature during spraying within 5-35°C and humidity 40 – 60%. Pay attention, that foam properties (density, yield) can change depending on spraying temperature. The spray layer thickness should be in the range of 60-140 mm.

Note: Mixing polyol before use recommended

FOAM PROPERTIES			
Thermal conductivity	[W/mK]	$\lambda_m - (0.034 - 0.037)$	EN 14315-1:2013 (PN - EN 12667:2002)
Water vapour transmission Water vapour transmission factor water vapour resistance factor, μ		$\geq 0.2258 \text{ mg}/(\text{m}\cdot\text{h}\cdot\text{Pa})$ ≤ 3.2	EN 14315-1:2013 (PN - EN 12086:2013)
Water absorption		$\leq 7.3 \text{ kg}/\text{m}^2$	EN 14315-1:2013 (PN EN 1609: 2013) metoda B
Density foam in finished product	[kg/m ³]	9-14	PN - EN 1602 : 1999
Compressive strength at 10 % strain		$\geq 10 \text{ kPa}$	EN 14315-1:2013 (PN EN 826:2013)
Open cells content	[%]	80 - 90	PN -ISO 4590
Classification regarding reaction to fire		F B-s1, d0	EN 14315-1:2013 (PN EN 13501 -1+A1:2010, PN EN ISO 11925 -2: 2010) PN EN 13501 -1+A1:2010, EN13823

* Parameters given in above tables were measured in standard condition, i.e. ambient temperature 20°C, humidity 40-60%.

Note: The process for the preparation of the foam takes place with the release of heat, and therefore it depends on the external conditions, 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 - 25 ° 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 3 months from the date of manufacture. According to RID / ADR, both components are not hazardous materials.

This information and our technical support - whether verbal, in writing or by technological tests is presented in good faith but without warranty, this also applies when are involved property rights of third parties. Our advice does not release you from the obligation to verify the information provided contained in our technical data sheets and safety and to test our products on account of their usefulness in a given process and application. The application, use and processing of our products and the products produced by him on the basis of our technical advice are beyond our control and therefore entirely at your own risk. Our products are sold in accordance with the current version of our General Conditions of Sale.

