

Polyol D35 – Isocyanate H

DESCRIPTION

Polyol D35 – Isocyanate H is a formulated polyol that together polymeric MDI isocyanate reacts under the recommended processing conditions to produce closed cell rigid polyurethane (PUR) foam.

APPLICATIONS

Polyol D35 – Isocyanate H has been formulated to produce rigid foams with an applied density of 40-50 Kg/m³, specially indicated for insulation and filling of all type of cavities as tanks, deposits, cool stores, panels, etc. when used in conjunction with Isocianato H / Isocianato H-25C.

TYPICAL COMPONENT CHARACTERISTICS

Characteristics	Unit	Polyol D35 – Isocyanate H
Specific Weight at 20°C	g/cm ³	1,11
Viscosity	cPs	600 (22°C)

TYPICAL PROCESS VALUES

Characteristics according to internal method (MANS-02).

Mix Ratio: **Polyol D35 – Isocyanate H** / Isocianato H-25C: 100/110 ± 5 by weight

Specification	Unit	Values
Cream time	s	14
Gel time	s	85
Tack free time	s	115
Free Density	g/l	36

* Free rise density measured at sea level

APPLICATIONS CONDITIONS

This system can be processed on both high (100-150 bar) or low pressure equipment.

The recommended temperature of components is 20 - 22 °C.

The appropriate temperature of moulds is 40 – 50 °C in order to avoid a higher density and not to decrease the adhesion of the foam on the substrate

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If it is not specifically indicated, the drums should not be stirred previously to the loading in order to avoid losses of the blowing agent.

TYPICAL CHARACTERISTICS OF THE SYSTEM

Characteristics		Standard	Units	Polyol D35 – Isocyanate H
Applied Overall Density		UNE-EN ISO 845:2010	Kg/m ³	40 - 45
Compressive Strength, 10% deformation		UNE-EN 826:2013	KPa	200 - 250
Dimensional Stability	-20°C, 48h	UNE-EN 1604:2013	DS (TH)	2
	+70°C, 90% HR, 48h			4
% Closed cell content		UNE-EN ISO 4590:2017	%	> 90
Initial thermal conductivity, 10 °C		UNE-EN 12667:2002	W/m°C	< 0,021

**Measured values were determined on specimens produced on a pilot plant. Verification of these properties on production plants at user's site under prevailing production conditions is required.*

SAFETY RECOMMENDATIONS

Polyol D35 – Isocyanate H causes skin irritation and severe ocular lesions.

When handling the system and/or the products, it is advisable to take all safety and precautionary measures described in each product's MSDS.

SUPPLY FORM

Check with the Sales Department the different supply formats.

STORAGE RECOMMENDATIONS

Polyol D35 – Isocyanate H is sensitive to humidity and must be stored in hermetically sealed drums or containers. **The storage temperature must be kept between +5 and + 35°C.**

Lower temperatures considerably increase the polyol viscosity, rendering it difficult to apply.

To maintain the aforementioned characteristics of the systems, the drums should be hermetically sealed when not in use.

Under proper storage conditions, the shelf life is 4 months for **Polyol D35 – Isocyanate H**