Technical Data Sheet

Polyol Sanyol 4025

Revision: July 2026

Product Description

Sanyol 4025 is a formulated polyol for the production of PU foam via reaction with polyisocyanate. Excellent operationality, flowability, and good demolding are the main features of Sanyol 4025 when it reacts with PM-200 or KP-200 as recommended isocyanates in the PU foam's formulation. The use of the Sanyol 4025 in a given application must be tested (including field testing, etc.) to determine suitability.

Processing Conditions

The Sanyol 4025 system can be processed by a high-pressure (or low-pressure) machine. It is essential to have equipment that consistently delivers accurate mixing of polyol, blowing agent (141B or cyclopentane), and isocyanate to achieve production with high performance.

Application Areas

Sanyol 4025 is particularly used for the production of metal-faced **discontinuous** sandwich panels having a rigid core.

Benefits

- Good density distribution
- High mechanical (compressive, flexural) strength
- Excellent dimensional stability (very low shrinkage)
- High moisture and aging resistance
- Good insulating properties

Package(s)

Sanyol 4025 is packed and delivered in Iron drums, 200 kg per drum as a standard pack.

Safety, Storage & Handling

Sanyol 4025 should be kept in properly sealed, moisture-tight containers and stored indoors in a dry and well-ventilated area at ambient temperature (15-35 °C). Storage at low temperatures (below 5 °C) may lead to marked viscosity increase, and this may cause difficulties in processing. Extended storage at temperatures above 60 (°C) is not recommended to prevent deterioration of the product quality.

Product Specification

Property	Unit	Value	Test Method /Standard
Viscosity at 25 °C	cp	1000 – 1500	ASTM D4878
Density at 25 °C	g/cm^3	1.05 ± 0.05	ASTM D4669
Water Content	%	< 0.1	ASTM D4672
Acid Content	mg KOH/g	< 1	ASTM D4662
NCO Content (Isocyanate part)	%	30.5 – 32	ASTM D2572

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

Technical Data Sheet

Polyol Sanyol 4025

Revision: July 2026

Parameters of PU Foam

Property	Unit	Value	Test Method / Standard
Sanyol 4025/Isocyanate/cyclopentane gas*	(w/w)	100/110/10	-
Cream Time	sec	22 – 25	ASTM D7487
Gel Time	sec	95 – 105	ASTM D7487
Tack Free Time	sec	130 ± 10	ASTM D7487
Free Rise Density	kg/m^3	26 ± 1	ASTM D7487
Overall Density	kg/m^3	40 ± 2	ASTM D1622

** The weight percentage of 141B gas is 18 %.*

© Metasan | metasan.co | 021 91006091

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.