Technical Data Sheet

Polyester Polyol Sanyol 300

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Product Description

Sanyol 300 is an aromatic polyester polyol having high functionality for producing rigid PU foams.

Application Areas

Sanyol 300 is particularly used for the production of PU foaming systems having a rigid core applicable in domestic and commercial freezers, refrigerators, wood, spray, and sandwich panel insulations.

Benefits

- Improved cream time
- High crosslink density of polymeric chains
- Enhancement of foam rigidity
- Increasing foam's shell strength
- Improved foam curing

Storage & Handling

Sanyol 300 is packed and delivered in Iron drums, 220 kg per drum as a standard pack. It should be kept in properly sealed, moisture-tight containers, and stored indoors in a dry and well-ventilated area at ambient temperature (15-25 ℃). Storage at low temperatures (below 5 ℃) may lead to an increase in the viscosity markedly, and this may cause difficulties in processing. Extended storage at temperatures above 60 (℃) is not recommended to prevent from deterioration.

Safety

Most polyols generally present no significant hazard in use when simple precautions are followed. No special ventilation is recommended under normal utilization beyond that needed for normal comfort control. Eye protection such as chemical splash goggles and/or face shields must be worn in feasible eye contact. Emergency eye- and hand-washing with mild soap and water before eating, drinking, smoking, and safety showers should be available near any potential exposure.

Shelf Life

Under recommended storage conditions and temperatures (between 5 and 30 ℃), the shelf life is 12 months from the date of production.

Product Specification

Property	Unit	Value	Test Method /Standard
Appearance	-	Light Yellow	Visual
Viscosity at 25 (°C)	mPa.s	4000 - 5500	ASTM D2196
Functionality	-	2	ASTM D5880
OH Value	mg KOH/g	300 - 330	ASTM D1957
Acid Content	mg KOH/g	< 2	ASTM D1980
Water Content	%	< 0.1	ASTM D4017

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