

i GENERAL DESCRIPTION

PETOL 45-3S is a non-reactive, low unsaturated heteropolyol with an average molecular mass of 3825 synthesized in the presence of a bimetallic cyano-complex catalyst (DMC catalyst).

Q TECHNICAL QUALITY CONDITIONS

No.	Characteristics	M.U.	Values	Test methods
1	Appearance	-	Clear viscous liquid	visual
2	Hydroxyl value	mg KOH/g	43 - 45	ASTM D 4274
3	Acid value (BBT), max.	mg KOH/g	0.05	ILL 003/3-23
4	Viscosity at 25°C	cP	700 - 850	ASTM D 4878
5	Water (Karl-Fischer), max.	%	0.05	ASTM E 203
6	Hazen color, max.	Hazen units	35	SR ISO 2211
7	Sodium and potassium content, max.	ppm	5	ILL 003/3-12
8	Unsaturation, max.	meq/g	0.008	ASTM D 4671
9	pH (isopropanol:water 10:6)	-	6.5 – 7.5	ILL 003/3-28

🧪 APPLICATIONS

- Synthesis of non-cellular polyurethane products (elastomers, sealants, adhesives, coatings)

📄 GENERAL CHARACTERISTICS

Specific Properties	Values
Density at 25°C, g/cm ³	1.005
Functionality	3

The specific properties provided reflect approximate values and serve as general information that is not included in the technical quality conditions.

📦 PACKING

The product is packed in stainless steel or coated rail or car tanks, in TDA double-pickled sheet drums of 200 l, property of the supplier or client.

🏠 STORAGE

Due to its hygroscopic nature, the product is stored in tightly closed containers under nitrogen blanket, in cold, dry, vented areas, far from heat, moisture, direct sunlight and incompatible materials, at temperatures between +20°C and +30°C.

🚚 TRANSPORT

ADR: PETOL 45-3S is not classified under ADR regulations.

RID: PETOL 45-3S is not classified under RID regulations.

Maritime transport IMDG: PETOL 45-3S is not classified under IMDG regulations.

! Methods for measuring the technical characteristics are available on request

All informations contained in this product data sheet is provided for your consideration, research and verification. For a better suitability of the product to your purpose, we recommend you carry out tests before using the product. We advise you to have your own decisions regarding safety, proper handling, storage, use and disposal. We expressly disclaim any liability for any loss, damage or expense resulting from reliance on the information provided herein. For more information, please refer to our safety data sheet.