

Technical Data Sheet

POLYNOR™ PE-180M

POLYNOR PE-180M is an aromatic polyesterpolyol designed for the production of rigid polyurethane foams. The unique properties of this product, unparalleled in the market, combine a moderate aromatic content, low viscosity and a low hydroxyl number, making it an ideal replacement of costly polyetherpolyols in one component foams. In addition to the low reactivity due to the presence of secondary hydroxyl groups in the product, POLYNOR PE-180M demonstrates an excellent compatibility with polyetherpolyols and also hydrocarbon-based blowing agents. The product does not contain any solvents or other viscosity reducing additives.

General properties of POLYNOR™ PE-180M

Parameter	Value	Method
Appearance	Transparent oily liquid, slight opalescence possible	Visual
Color, J ₂ /cm ³ , not higher than	15	GOST 19266
Hydroxyl value, mgKOH/g, within	140-190	GOST 25261
Acid value, mgKOH/g, less than	1,0	GOST 23955 (Method A)
Dynamic viscosity at 25°C, mPas, within	1200-1900	GOST 25271
Water content, %, not higher than	0,1 Max.	OFS.1.2.3.0002.15
Specific gravity at 20°C, g/ml, within	1,040 - 1.070	GOST 18995.1-73

Toxicology, storage and transportation

When handling, no particular precautions are required, the product is practically harmless. It is recommended, however, to observe the normal precautions for industrial hygiene. The product can be supplied in barrels, containers or tank trucks. Due to hygroscopicity, the product should be stored in tightly closed containers or under a layer of nitrogen. Under the recommended conditions, the guaranteed shelf life of POLYNOR PE-180M is at least 6 months at room temperature.

SUPPLIER:

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