

Product Name: Polyether EP-3600

Product Introduction

EP-3600 is a polyether polyol with 3 functionality and 6000 molecular weight. When mixed with polymer polyol graft polyether, it is used for high-resilience cold-cure foam in automotive, motorcycle, and bicycle seats, steering wheels, etc., and can also be used in the preparation of automotive sealants; it can be used in polyurethane paving series products, polyurethane adhesive series products, effectively improving the tensile strength and resilience of the products; it can be used in the preparation of high-resilience polyurethane slabstock foam materials, polyurethane footwear materials, effectively improving the resilience of the materials.

Specifications

Premium Grade

Product	EP-3600	Test Standard
Appearance	Transparent liquid, free of suspended matter	Q/ZHDDZB 05.10.001-2024
Viscosity (25°C), mPa·s	1100 ~ 1300	Q/ZHDDZB 05.10.001-2024
Water content, %	≤0.040	Q/ZHDDZB 05.10.001-2024
K ⁺ , mg/kg	≤3	Q/ZHDDZB 05.10.001-2024

		05.10.001-2024
pH	5.0 ~ 7.0	Q/ZHDDZB 05.10.001-2024
Hydroxyl value, mgKOH/g	26.50 ~ 29.00	Q/ZHDDZB 05.10.001-2024
Acid value, mgKOH/g	≤0.040	Q/ZHDDZB 05.10.001-2024
Color, APHA	≤20	Q/ZHDDZB 05.10.001-2024

Qualified Grade

Product	EP-3600	Test Standard
Appearance	Transparent liquid, free of suspended matter	Q/ZHDDZB 05.10.001-2024
Viscosity (25°C), mPa·s	1000 ~ 1400	Q/ZHDDZB 05.10.001-2024
Water content, %	≤0.060	Q/ZHDDZB 05.10.001-2024
K ⁺ , mg/kg	≤8	Q/ZHDDZB 05.10.001-2024
pH	5.0 ~ 7.0	Q/ZHDDZB 05.10.001-2024
Hydroxyl value,	26.00 ~ 30.00	Q/ZHDDZB

mgKOH/g	20.00 ~ 30.00	05.10.001-2024
Acid value, mgKOH/g	≤0.060	Q/ZHDDZB 05.10.001-2024
Color, APHA	≤30	Q/ZHDDZB 05.10.001-2024

Packaging

Packaged in clean, dry, sealed, leak-proof dedicated painted iron drums, with a net weight of 200kg per drum; or in tank trucks, flexitanks, or IBCs. Can also be packaged according to customer requirements. Packaging containers must be tightly closed.

Storage & Transportation

During transportation, protect EP-3600 strictly from rain and contamination. Handle with care, avoid collision with hard objects to prevent leakage and damage.

During storage, EP-3600 should be stored at room temperature in a ventilated, dry warehouse. Avoid damp environments. Storage temperature should be maintained below 50°C. Avoid direct sunlight. Keep away from water sources and heat sources. Alternatively, store sealed in containers made of steel, aluminum, polyethylene, or polypropylene. To prevent moisture absorption and oxidation, it is recommended to purge containers with nitrogen. Storage temperatures above 60°C may cause product quality degradation. Short-term temperature increases or decreases have minimal impact on product quality, but note that significantly lower temperatures will cause a noticeable increase in viscosity, which may pose difficulties during processing.

Shelf Life

Under correct storage conditions, the shelf life is one year from the date of production. The product may still be used after this period if re-inspection confirms it meets specifications.

Note: For low-odor products, customers are advised to use them as soon as possible.

Safety Information

EP-3600 is classified as a non-hazardous substance. It has a high flash point and is combustible. In case of fire, use foam, dry powder, steam, or water to extinguish. It is not explosive. It is practically non-toxic, and no special ventilation requirements are needed. The toxicity of general neutral polyether polyols if ingested orally or through contact with skin, eyes, or mucous membranes is negligible. In case of skin contact, wash with soapy water. In case of eye contact, flush with low-pressure clean water or seek medical treatment. Workers can wear eye protection or safety glasses. Eye wash and shower equipment should be available near the work area. The product is generally considered non-hazardous to skin. When working in areas where contact with the product is possible, observe personal hygiene practices. Wash skin that has been in contact with the product using cleaning products before eating, smoking, or leaving the work area.

Spill Handling

Stop the leak if it is safe to do so. For minor spills, absorb with sand or other absorbent material and place into a clean, dry container for subsequent disposal. For large spills, contain the spilled material for recovery and subsequent disposal. Prevent material from entering groundwater or surface water, as it is not readily biodegradable. All collected spill material should be disposed of in accordance with local

collected spill material should be disposed of in accordance with local environmental regulations.

Disclaimer

The information and technical advice provided above are obtained from sources we believe to be reliable. However, we make no warranty, express or implied, regarding the data provided, and offer no guarantees herein. We recommend conducting a series of tests if you intend to use our product. We are not responsible for the application, use, processing, or production of goods based on the technical information we provide, and such responsibilities lie solely with the user. The conditions and methods of handling, storage, use, or disposal of this product are beyond our control and may be beyond our knowledge. In no event shall we be liable for any loss, damage, or expenses incurred due to improper handling, storage, use, or disposal of this chemical.

For more information, please refer to the Technical Safety Data Sheet (SDS) for our product or contact our Market Services department.

Contact Information

Sinochem Dongda (Zibo) Co., Ltd.

Address: Huantai Maqiao Chemical Industry Park, Zibo City,
Shandong Province, China

Tel: 0086-0533-7878333

E-mail: dongda@sinochem.com

Website: <http://www.lxdd.chemchina.com/>

Postal Code: 256405



Download EP-3600 PDF