

Polyether Polyol YD-3048

2017.7.24 Version 1.0

Introduction

Polyether polyol YD-3048 is a triol with nominal molecular weight 3500 based on propylene oxide and ethylene oxide.

It is a standard polyether polyol for producing polyurethane conventional flexible slabstock foam. The combination with polymer polyol could achieve particular foam load bearing property. It has optimized compatibility with secondary blowing agent and results excellent foam physical property.

Technical Specification

Appearance	Clear Liquid
Viscosity mPa.S@25°C	500~800
APHA color	Max 50
Hydroxy number mgKOH/g	45~49
Water content %	Max 0.08
Acid number mgKOH/g	Max 0.08
K ⁺ , Na ⁺ ppm	Max 5

Storage

Polyether polyol YD-3048 is hygroscopic and the absorption of moisture would affect polyol reactivity and physical properties of foam. The material should be stored in sealed containers and in dry conditions, avoid heat and humidity. The recommended storage temperature is below 35°C. Opened drums must be reclosed tightly immediately.

Handling Precautions

Polyether polyol YD-3048 has a very low odor and does not present a significant health hazard to users. Normal standards of industrial hygiene should however be observed when handling this chemical. Suitable protective clothing and safety glasses must be worn to avoid unnecessary contacts and accidental ingestion. In case of skin or eye contact, wash promptly with copious amounts of clean water. In case of eye contact, seek medical attention.

Fire and Explosion

Polyether polyol YD-3048 will burn under certain condition and can explode if heated to decomposition temperature in a confined area. The fires can be extinguished with water fog, carbon dioxide or dry chemicals.