

# EXAFLEX 5034

## HR MOLDED POLYOL

### Description

EXAFLEX 5034 is a propylene oxide and ethylene oxide based trifunctional polyol. The calibrated amount of ethylene oxide with high primary end groups gives extra reactivity with isocyanates allowing it to be used for one shot HR molded foam using high pressure as well as low pressure machines. The HR molded foam using EXAFLEX 5034 are characterized by high resiliency and good surface properties.

### Typical Properties

Appearance	Visual	Clear liquid
Colour	APHA	< 50
Viscosity at 25 °C	cP	900 ± 100
Hydroxyl number	mg KOH/g	34 ± 2
pH		7 – 8.5
Water content	%	< 0.05
Specific Gravity at 25 °C		1.01 ± 0.02

### Applications

EXAFLEX 5034 is recommended for cold cure molded and integral skin foam formulations. The high resiliency molded foam manufacture using EXAFELX 5034 shows better bounce and the integral skin foam produced using this polyol gives good skin. Well recommended for automotive and furniture seating and also for steering wheels arm rest etc

### Storage and Handling

EXAFLEX 5034 is slightly hygroscopic and should therefore be stored under cool and dry conditions at 25 – 35 °C. Even under these conditions EXAFLEX 5034 absorbs small quantities of atmospheric moisture. Partially used drums should be properly resealed before keeping for extended storage.

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#### Health and Safety

EXAFLEX 5034 is physiologically harmless.

This product is not particularly dangerous for health. In any case is suggested to observe following precautions:-

- To wear appropriate protection for body and eyes
- The working room must be ventilated
- In case of contact with skin or eyes to wash accurately with clean water and if sprayed on eyes ask for medical intervention.
- To absorb eventual losses with sand or sawdust.

Polyurethanes produced from this product may present a fire hazard in certain applications if exposed to fire and/or excessive heat and oxygen, e.g., welding and cutting torches.

Expanded Polymer Systems Pvt. Ltd. guarantees that its products are of the highest quality provided that the conditions recommended in the present instructions are carried out regarding their conservation, maintenance and use.

The high quality of Expanded Polymer Systems Pvt. Ltd. products does not exonerate the Buyer-User from making his own checks as to the suitability of the product.

Expanded Polymer Systems Pvt. Ltd. will not stand responsible for any emerging problems occurring in the eventual transformation of its products which is taken at the risk of the Buyer-User, therein including possible disputes regarding the patents of third parties

#### Shelf Life

Shelf life under specified storage conditions is 6 months.

#### Packaging

210 kg net in steel drums