

Technical Information

DABCO® DMDEE

Description

DABCO® DMDEE is an amine blow catalyst particularly suitable for single and/or multi-component polyurethane systems.

Key performance benefits

- Low active, highly blow selective catalyst
- Enables excellent shelf life in OCF applications
- Good system stability with HFO blow agents

Typical properties*

Appearance	Clear liquid
Viscosity at 25 °C	18 mPa · s
Density at 25 °C	1.05 g/cm ³
Purity	≥ 99.0 %
Calculated OH number**	n.a.
Water content	≤ 0.1 %

* For actual ranges, please refer to the Certificate of Analysis (CoA) / Sales Specification. | ** n.a. = not applicable

Application

DABCO® DMDEE is a highly blow selective amine catalyst with low selectivity towards isocyanurate, allophanate and biuret reactions.

This allows for the use of DABCO® DMDEE in one component applications such as OCF and sealants, ensuring very long shelf life.

DABCO® DMDEE may be used in conjunction with suitable co-catalysts from the DABCO®, POLYCAT® and/or KOSMOS® range, based on specific formulation requirements.

In PIR formulations, DABCO® DMDEE can be used as co-catalyst in conjunction with trimerization catalysts such as products of the KOSMOS® and DABCO® TMR series when low front end activity is required.

DABCO® DMDEE and potassium/metal catalyst should not be pre-blended as it might lead to incompatibilities. Separate dosing and/or blending into the polyol is preferred.

Common use levels of DABCO® DMDEE in OCF applications are in the range of 0.5 % and 1.5 % of the polyol blend.

Typical use levels of DABCO® DMDEE in two component formulations are in the range of 0.5 and 3.0 parts per 100 parts of polyol. The optimal concentration will depend on specifics of the formulation.

Storage recommendations

- Shelf life: minimum 12 months. For exact date of expiration, please consider CoA.
- Storage conditions: dry and cool place in factory-packed containers.
- Optimum storage temperature: 10 to 30 °C.

Safety instructions

Please consult the Safety Data Sheet for summary of product hazards, personal protective measures, and emergency release procedures.

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