Technical Information

DABCO® RE 540

Description

DABCO® RE 540 is a is a reactive amine catalyst that promotes the urethane (polyol – isocyanate) reaction. It is optimized to significantly reduce emissions at a comparable, highly efficient use level versus conventional gel catalysts such as DABCO® 33 LV or DABCO® 33 LX.

Key performance benefits

- Reduced VOC emissions
- Excellent bulk and surface cure
- Promotes foam openness
- High efficiency

Typical properties*

Appearance	Light yellow liquid
Viscosity at 23 °C	85 mPa·s
Density at 23 °C	0.924 g/ml
Calculated OH number	414 mg KOH/g
Water solubility	Soluble

* For actual ranges, please refer to the Certificate of Analysis (CoA) / Sales Specification.

Application

DABCO® RE 540 is recommended for use in TDI, T/M, M/T, and MDI molded High Resilience (HR) foam systems. It can be paired with a blow catalyst of negligible emission such as DABCO® NE 300 to reduce the overall foam emissions profile even further. It is compatible with other commonly used polyurethane catalysts and additives and is readily miscible with polyols and water mixtures.

Common use levels of DABCO® RE 540 are in the range of 0.3 and 0.4 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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