

Technical Information

POLYCAT® 41

Description

POLYCAT® 41 is a tertiary amine catalyst used in a wide variety of polyurethane foam and non-foam applications.

Key performance benefits

- Improved curing of PUR systems
- Delayed front end activity as PIR co-catalyst

Typical properties*

Appearance	Clear liquid
Viscosity at 25 °C	33 mPa·s
Density at 25 °C	0.91 g/cm³
Calculated OH number**	n.a.

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

Application

POLYCAT® 41 is a gel catalyst with additional mild PIR selectivity used in a wide variety of rigid polyurethane and polyisocyanurate foam and non-foam applications. It is recommended for use as a co-catalyst with other polyurethane and polyisocyanurate catalysts, particularly in formulations with an isocyanate index greater than 105 – 110.

POLYCAT® 41 has a certain hydrolysis sensitivity. Hence stability testing of formulations containing POLYCAT® 41 is highly recommended.

POLYCAT® 41 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, POLYCAT® 41 can be used as co-catalyst in conjunction with trimerization catalysts such as products of the KOSMOS® and DABCO® TMR series.

POLYCAT® 41 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 POLYCAT® 41 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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