

Dabco® T-12 Catalyst

Description

Dabco T-12 catalyst (dibutyltin dilaurate, DBTDL) promotes the urethane (polyisocyanate) or gelling reaction for the production of flexible and rigid polyurethane foams, coatings, adhesives, sealants and elastomers.

Advantages

- Promotes rapid gelation and tack-free times
- Improves mechanical properties in molded and slabstock foams

Applications

Dabco T-12 catalyst is used in a wide range of polyurethane applications where strong urethane (polyol-isocyanate) or gelling reaction catalysis is required. In demanding applications, Dabco T-12 catalyst can provide enhanced reactivity when used in combination with amine catalysts.

Dabco T-12 catalyst is often a benchmark in the catalysis of polyurethane systems including two-component adhesives and moisture-cure coatings. Use-life and retention of catalytic activity are dependent upon the presence of amines, moisture and other additives, as well as on the storage temperatures. For applications requiring specific pot lives, laboratory screening is recommended.

Typical Properties	
Flash Point, °C (PMCC)	> 204
Viscosity @ 25 °C mPa*s ¹	125
Specific Gravity @ 25 °C (g/cm ³)	1.03
Water Solubility	Insoluble
Calculated OH Number (mgKOH/g)	0
Appearance	Light yellow liquid

¹ 1 mPa*s = 1 cPs

Storage Information

Air Products recommends that our catalysts be stored in a dry and cool area under appropriate ventilation conditions. Each container should be closed tightly to avoid contamination with moisture or other negative influences that could change the products' performance in the end use. The optimum storage temperature is between 10 °C and 30 °C. Lower and higher storage temperatures are not preferable and should be avoided.

Safety and Handling Information

Safety and handling information is contained in the Dabco T-12 Catalyst Material Safety Data Sheet, available upon request from Air Products.

Shelf Life

24 months/date of manufacture