CYCAT® 600T

Technical Datasheet

PRODUCT DESCRIPTION

CYCAT® 600T is a strong acid catalyst based on dodecylbenzene sulfonic acid supplied in isopropanol. Supplied as a free acid, it is recommended to accelerate the crosslinking reaction of amino resins with polymers containing hydroxyl, carboxyl or carbamate functionality. CYCAT® 600T catalyst is soluble in aliphatic and aromatic hydrocarbons, esters, ketones, alcohols, glycol ethers and water. It may be used as a replacement for less soluble acid catalysts, such as para-toluene sulfonic acid, in low alcohol-containing finishes. Blocked versions are available for 1K thermoset systems offering excellent formulated package stability.
This product can be used in food contact applications. For the latest information about the compliance status with FDA, EU, Chinese or other food regulations, please contact PSRA-customer-requests@allnex.com.

BENEFITS

- Reduces energy requirements
- Improved solubility
- Direct food contact compliant

APPLICATION AREAS

- Automotive topcoats
- Can coatings
- General industrial coatings

PHYSICAL/CERTIFIED PROPERTIES

Property	Value	Method
Appearance	Clear, dark liquid	ASTM E284
Acid Value, mg KOH/g	125 - 135	DIN EN ISO 2114
Color, Gardner	≤ 8	DIN EN ISO 4630-1

TYPICAL PROPERTIES

(NOT CONTINUALLY MEASURED)

Property	Value	Method
Density, g/ml	~0.96	ASTM D1475-13
% Active	~72	

SOLUBILITY

CYCAT® 600T catalyst is soluble in most commonly used organic solvents. Its solubility in water is limited.

CATALYST ADDITION

CYCAT® 600T catalyst contains approximately 72% active acid. Recommended dosage is 1 - 3% as supplied on total resin solids depending upon cure schedule.

STORAGE STABILITY

CYCAT® 600T catalyst has a shelf life of 1080 days from the date of manufacture when stored in original unopened containers at temperatures up to 32°C. The expiration date may be extended and COA updated after QC testing of retained samples, only for material in allnex possession.

SAFETY AND HANDLING

Please consult the Safety Data Sheet for safety, health, and environmental data.