

Catalyst & Additive for PU Elastomers

(PU Castors, Rollers, Screen Mesh, Scraper, Pipe Line Cleaner, Extruded Profile, Soft Gel, TPU, etc.)

I. Catalyst for PU elastomers:

Product	Model	Characteristic	Application
Specific Catalysts	CUCAT-HAA CUCAT-HAB CUCAT-K6	Eco-friendly and bubble-free, HAA is more insensitive to moisture, while HAB and K6 won't affect the transparency of end products; CUCAT-K6 has thermal activity, and performs better than HAB in polyester systems.	General purpose for systems without crosslinker. Curing at 80-90 °C
	CUCAT-PDAA	Highest activity and bubble-free, contains lead element.	
	CUCAT-DG02	Suitable for "TDI+PPG+MOCA" system and "MDI+PPG+BDO" system, Long pot life and fast post curing, not sensitive to moisture.	"ISO+Polyether +Crosslinker" Systems. Curing at 80-90 °C
	AUCAT-1001E	Anti-hydrolysis Catalyst, especially suitable for MOCA curing systems.	
	CUCAT-HS	Suitable for "MDI+PTMG+BDO" system, Stable production process; Long pot life and fast post curing; Effectively reduce product shrinkage	
	CUCAT-HSF	Suitable for "MDI+PPG+BDO" system, Stable production process; Long pot life and fast post curing.	
	CUCAT-GW01	Cost reduction: 90 °C × 4h, fast demolding at lower temperature, high efficiency, and reduce scrap rate, reduce casting leakage. Reduce the trouble of scraping glue caused by pouring leakage; It can be mixed with the pre polymer can in advance.	MOCA curing at 90-120°C.
	CUCAT-RM200	Resolve issues such as slow demolding, long curing time, peeling, shrinkage, and delamination in MDI systems.	BDO curing at 90-120°C.
	CUCAT-RM201	Thermally active catalyst, mild activity, low initial viscosity of material mixing, accelerated post curing.	HQEE curing at 90-120°C.
	CUCAT-SW02D	Suitable for "MDI+Polyester+BDO" system and "TDI+Polyester+MOCA/BDO" system. Long pot life and fast post curing.	"ISO+Polyester +Crosslinker" Systems
	CUCAT-SW24B CUCAT-SW10A	Suitable for "MDI+Polyester+BDO/EG". Eco-friendly, Suitable for medium to high temperature curing processes. especially recommended for polyurethane screen mesh of MDI polyester systems.	
	CUCAT-E	Suitable for two-component composite material using DETDA (E-100) as curing agent, which can improve the catalytic efficiency after gel and significantly shorten the demoulding time	DETD (E-100) curing systems
General Purpose Catalysts	RM series	Thermosensitive catalysts	General Purpose
	TCAT series	Special organo tin catalysts, delay catalysis, anti-hydrolysis, high activity	
	BCAT series	Organo bismuth catalysts	
	ZCAT series	Organo zinc catalysts	
	CUCAT-T30	Post curing catalyst	
Specialized Catalysts	AUCAT-101 AUCAT-202	Anti-hydrolysis, stable activity in moisture containing systems, AUCAT-202 is a post curing catalyst.	Soft PU Gel
	BCAT-E20 BCAT-E20CX	General Purpose catalyst. The E20CX can effectively reduce side reactions at high temperatures, improve the hydrolysis stability and aging resistance of TPU.	TPU
	CUCAT-S01 AUCAT-S1016	Delay tin catalysts, provide long pot life.	Extruded profile
	CUCAT-S9A	Provide long pot life, and fast post curing.	Popcorn insole
	FOCAT-NX100 FOCAT-NX200	Long cream time, and fast post curing.	RIM elastomers

II. Functional Additive for PU Elastomers

Polishing Agent	CUBD-MG01	Solve the sticking problem of polyurethane products (casters, rollers) during polishing. No influence on mechanical properties such as hardness and tensile strength of products. Make the end products easy to polish and the surface brighter, Used for AGV wheels, it can effectively reduce the stains on the driving track.	General Purpose
Anti-abrasion Agent	CUBD-NM01	Greatly improve the abrasion resistance of polyurethane products, will slightly affect the transparency of end products. Suitable for material with powder fillers.	
	CUBD-NML	Improve the abrasion resistance of polyurethane products, not affect the transparent of end products. Suitable for products with high requirement of transparency.	
Antistatic Agent	CUCE-W CUCE-ASW	No side reaction, no impact on product strength, the dosage is small, the color is light, and the appearance of the product is not affected. CUCE-W is for polyether systems, CUCE-ASW is for polyester systems.	
Defoamer	YRXP-02S	Non silicon, high-efficiency, good compatibility, transparency and has little effect on the transparency of products.	
	YRXP-07	High efficiency silicon defoamer is widely used in nonaqueous solvent and solvent-free systems, filled and unfilled systems, with excellent foam inhibition effect, small dosage.	General Purpose
Moisture Scavenger	CUWR-WB30	It is used to remove trace moisture from polyurethane raw materials, eliminate chemical bubbles, and provide wear resistance of materials.	
Anti-yellowing Agent	UVK-CLV	For both polyester and polyether systems. Solve the yellowing and aging problems caused by UV and oxidant, but biases towards UV resistance.	General Purpose
	UVK-CL4	Solve the yellowing and aging problems caused by UV and oxidant	Polyether System
Antioxidant	UVK-CLO	Solve the yellowing and aging problems caused by oxidant. It does not affect the appearance chromaticity of products. CLO is recommended for polyester systems, TE is recommended for polyether systems.	---
	UVK-TE		
	UVK-TC	Prevent the occurrence of yellow/red spot contamination during the storage and transportation (especially by sea) of products packaged in cardboard boxes	General Purpose
Anti-hydrolysis Agent	CUWR-AH01	It can effectively inhibit and delay the chain breakage of ester bonds due to hydrolysis, and extend the service life of polyester PU products.	Polyester System
Release Agent	CUBD-TM04	Spray on the mold surface. Not affect the surface printing on end products.	General Purpose
	CUBD-INR01	Premixed in PU raw material, Not affect the surface printing on end products.	
Polymer Inhibitor	NCAT series	Effectively reduce the reaction rate of PU and give long pot life (operation time).	General Purpose

