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Alcure 4431 Polymeric Isocyanate Curative

Description	Alcure 4431 is a high performance, polymeric aliphatic isocyanate hardener based on H12MDI and blocked with ϵ -caprolactam. It is specially designed to yield coatings with significantly better overbake and UV yellowing resistance. When properly formulated in coating powders, this product will yield a coating with excellent flow and chemical resistance and good overall physical properties.	
Features	<ul style="list-style-type: none"> ▪ Enhanced yellowing resistance at high temperatures ▪ Enhanced UV resistance compared to Alcure 4430 ▪ Good flow ▪ Good overall performance 	
Performance Benefits	<ul style="list-style-type: none"> ▪ Reduced yellowing and improved UV resistance compared to Alcure 4430 ▪ Good chemical resistance ▪ Lower temperature cure than Alcure 4400 	
Typical Physical Properties	Exterior grade*	Yes
	NCO equivalent weight*	333
	Glass transition temperature (Tg)*	55°C
	Appearance	Water white flakes
Starting Point Formulation	FORMULA	
	Polymac® 3870	486.8
	Alcure 4431	115.6
	Titanium dioxide	290.0
	Blanc fixe	86.3
	Flow agent	16.3
	Benzoin	5
	Total	1000
Film Formation	BAKE SCHEDULE	20 minutes at 180°C**

*Theoretical values are listed. Actual values may vary depending on test method and coating composition.

**Baking schedule of polymeric-blocked isocyanate curative or uretdione depends on the hydroxyl-terminated polyester used.

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Warranty Disclaimer

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