



*Polynt Composites USA ... Delivering high-quality coating resin technologies & solutions since 1947!*

## Alcure 4450 Polymeric Isocyanate Curative

<b>Description</b>	Alcure 4450 is a general purpose, polymeric aromatic isocyanate hardener based on TDI and blocked with $\epsilon$ -caprolactam. When properly formulated in coating powders, this product will yield a coating with excellent flow and good overall physical properties. It is designed for interior or primer use.	
<b>Features</b>	<ul style="list-style-type: none"> <li>▪ Relatively low formulation costs</li> <li>▪ Excellent physical properties</li> <li>▪ Lower cure temperature</li> </ul>	
<b>Performance Benefits</b>	<ul style="list-style-type: none"> <li>▪ Economical</li> <li>▪ Good impact and chemical resistance</li> <li>▪ Good impact fusion resistance</li> </ul>	
<b>Typical Physical Properties</b>	Exterior grade*	No
	NCO equivalent weight*	275
	Glass transition temperature (Tg)*	64°C
	Appearance	Water white flakes
<b>Starting Point Formulation</b>	FORMULA	
	Polymac® 3160	503.7
	Alcure 4450	98.7
	Titanium dioxide	290.0
	Blanc fixe	86.3
	Flow agent	16.3
	Benzoin	5
	Total	1000
<b>Film Formation</b>	BAKE SCHEDULE	20 minutes at 160°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.

### Alcure 4450

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