

Advanced Materials**RenLam[®] LY 5210 / Aradur[®] 2954**

STRUCTURAL COMPOSITES

APPLICATIONS	High performance composite parts and tools Pre-preg tools Vacuum forming tools Foam molding tools
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PROPERTIES	Exceptionally high temperature resistance Excellent fiber wet out due to low viscosity Excellent inter-laminar adhesion
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PROCESSING	Wet Lay-up RTM Infusion
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KEY DATA**RenLam[®] LY 5210**

Aspect (visual)	Clear to yellow liquid	
Viscosity at 25 °C (ISO 12058-1)	2800 - 3200	[cps]
Density at 25 °C (ISO 1675)	1.2	[g/cm ³]
Flash point (ISO 2719)	170	[°C]

Aradur[®] 2954

Aspect (visual)	Clear liquid	
Viscosity at 25 °C (ISO 12058-1)	70 - 120	[cps]
Density at 25 °C (ISO 1675)	0.94	[g/cm ³]

PROCESSING DATA

MIX RATIO	<i>Components</i>	<i>Parts by weight</i>
	RenLam® LY 5210	100
	Aradur® 2954	53

INITIAL MIX VISCOSITY	at 78	[°F]	700 - 900	[cps]
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POT LIFE (Tecam, 500 ml, 65 % RH)	at 78	[°F]	7 - 9	[h]
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The values shown are for small amounts of pure resin/hardener mix. In composite structures the gel time can differ significantly from the given values depending on the fiber content and the laminate thickness.

TYPICAL CURE CYCLES	24 – 48 hours RT + 2 hours @ 104°F + 2 hours @ 140°F then equal stages to deflection temperature for 14 hours
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The optimum cure cycle has to be determined case by case depending on the processing and the economic requirements.

PROPERTIES OF THE CURED, NEAT FORMULATION

DEFLECTION TEST (ISO 75)	Deflection temperature	°F	392
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STORAGE	<p>RenLam® LY 5210 should be stored in a dry place, the sealed original container, away from heat and humidity, at temperatures between 2 - 8°C, (+35.6 to 46.4°F). Under these storage conditions, the shelf life is 3 years. The product should not be exposed to direct sunlight.</p> <p>Partly emptied containers should be closed immediately after use.</p> <p>Aradur® 2954 should be stored in a dry place, the sealed original container, away from heat and humidity, at temperatures between +2°C and +40°C (+35.6°F and +104°F). Under these storage conditions, the shelf life is 3 years. The product should not be exposed to direct sunlight.</p>
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First Aid!

Refer to MSDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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