AROPOL™ L 65395 T-25 Resin

Overview

Aropol L 65395 T-25 Resin is a thixed and promoted unsaturated polyester resin for use in open molding lamination applications.

Typical Liquid Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Notes
Percent Solids	65	%	
Brookfield Viscosity	600	Cps (mPas)	#3 @ 50 rpm
Thix	3		
Weight per Gallon	9.15	Lbs/gallon	

Typical Liquid Resin Curing Properties

Property	Aropol L 65395 T-19	Aropol L 65395 T-25	Unit
Room Temperature Gel (RTG) time	19	25	Minutes
Gel to Peak Exotherm Time	9	9	Minutes
Peak Exotherm Temperature	345	335	°F

Room Temperature Gel time tested @ 77°F/25°C
Initiated with 1.25 grams Cadox D-50 in 100 grams of resin.

Typical Cured Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Test Method
Tensile Strength	8,900	psi	ASTM D638
Tensile Modulus	530	ksi	ASTM D638
Tensile Elongation at Break	2.0	%	ASTM D638
Flexural Strength	12,200	psi	ASTM D790
Flexural Modulus	490	ksi	ASTM D790
Heat Deflection Temperature	90	°C	ASTM D648

Post cured at 150°F for 45 minutes, 220°F for 75 minutes and then 280°F for 2 hours.

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Standard package
Steel drum with net weight of 220 kgs (485 lbs).

Commercial Warranty
Three months from the date of shipment, when stored in accordance with the storage conditions stated below.

Storage
All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperatures will extend product stability. Store at temperatures below 25°C / 77°F. Avoid exposure of storage tanks and storage containers to heat such as direct sunlight, steam pipes, and other heating sources.

Containers: Keep containers sealed to prevent moisture pick-up and monomer loss. Do not store drums and other small containers outdoors. Mild mixing is recommended after prolonged storage. Rotate stock.

Bulk Storage: Consult with your INEOS Composites account representative for a guide to best practices on bulk resin storage and handling.

Notice
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INEOS Composites requests that the user reads, understands, and complies with the information contained herein and the current Safety Data Sheet.

Commercial contacts by region available at:
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[i]All properties are typical values. Results may vary. Typical values are not a guaranteed analysis of any specific lot or specification.
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