AROPOL® LF 65406 T-10 Resin

Overview
AROPOL LF 65406 T-10 is a thixed, promoted unsaturated polyester resin.

Applications
This product was specifically designed to be used in filled laminating applications.

Typical Liquid Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Notes
Brookfield Viscosity	300	Cps (mPas)	LV #3 @ 50 rpm
Thix Index	4.2		#6 / #60
Styrene	<38	%	

Typical Liquid Resin Curing Properties

Property	Value	Unit	Notes
Room Temperature Gel (RTG) time	10	Minutes	
Gel to Peak Exotherm Time		Minutes	
Peak Exotherm Temperature	365	°F	

Room Temperature Gel time tested @ 77°F/25°C; Initiated with 1.50 grams MEKP-9 catalyst in 100 grams of resin.

Typical Cured Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Test Method
Tensile Strength	7200	psi	ASTM D638
Tensile Modulus	470	ksi	ASTM D638
Tensile Elongation at Break	1.8	%	ASTM D638
Flexural Strength	12,600	psi	ASTM D790
Flexural Modulus	485	ksi	ASTM D790
Heat Deflection Temperature	140	°F	ASTM D648

Cured resin properties derived from design of experiment using styrene set at 35%. MEKP initiated and cured for 24 hours at room temperature followed by a 2 hour post-cure at 60°C.

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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 ALTA Performance Materials account representative for a guide to best practices on bulk resin storage and handling.

Notice
All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation, and verification. The information is not to be taken as an express or implied representation or warranty for which ALTA Performance Materials assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

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ALTA Performance Materials requests that the user reads, understands, and complies with the information contained herein and the current Safety Data Sheet.

[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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