AROPOL™ AF 50409 T Resin Series

Performance Materials

Overview

AROPOL AF 50409 T series is a pre-promoted, thixotropic polyester resin. The product allows high filler loading and provides excellent bonding.

Applications

AROPOL AF 50409 T Resin is designed for use as an acrylic sheet back up resin in spa and similar applications. The resin is optimally designed for use where calcium sulfate filler is used and can bond to some calcium carbonate/acrylic sheet systems.

Property	Aropol AF 50409 T-12	Aropol AF 50409 T-16	Unit
Filled Viscosity (4@20) @ 90F	3000	3000	Cps (mPas)
Filled Thix Index (6/60)	1.5	1.5	
Filled Resin Weight per Gallon @ 90F	13	13	Lbs / Gallon
Neat Resin Styrene Level	33	33	%
Neat Resin Weight Per Gallon @ 77F	9.3	9.3	Lbs / Gallon

Property	Aropol AF 50409 T-12	Aropol AF 50409 T-16	Unit
Filled Room Temperature Gel (RTG) time	12	16	Minutes
Filled Gel to Peak Exotherm Time	12	14	Minutes
Filled Peak Exotherm Temperature	190	185	°F

Filled gel time run at 90°F

Typical Cured Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Test Method
Tensile Strength	7,600	psi	ASTM D638
Tensile Modulus	350	ksi	ASTM D638
Tensile Elongation at Break	3	%	ASTM D638
Flexural Strength	12,300	psi	ASTM D790
Flexural Modulus	340	ksi	ASTM D790

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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.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of ALTA Performance Materials, ALTA Performance Materials makes no warranty or representation regarding the results which may be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

ALTA Performance Materials 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:

https://altapm.com/contact/

[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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