Performance Materials

AROPOL® L 70534 T Resin Series

Overview

AROPOL L 70534 T series resins are promoted, isophthalic, polyester resins that provide high impact strength, crack resistance, high tensile elongation and excellent wet-out of glass fiber. This product series is a lower styrene alternative to Aropol® 7334 T resin products.

Applications

AROPOL 70534 T series resins are designed for hand lay-up and spray-up applications.

The raw materials used in the manufacture of these resins are listed as acceptable in FDA regulation Title 21 CFR 177.2420 for repeated use in contact with food subject to user's compliance with the prescribed limitations of that regulation.

Typical Liquid Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Notes
Percent Styrene (max)	43	%	
Viscosity	450	mPas (cps)	#3 @ 60 rpm
Thix Index	2.5		
Specific Gravity	1.09		9.09 lb/gal
Room Temperature Gel Time	40	Minutes	1.25% DDM-9
Room Temperature Gel to Peak Exo	30	Minutes	
RTG Peak Exotherm Temperature	295	°F	

Typical Cured Resin Properties

Property at 25°C (77°F) unless otherwise marked	Value	Unit	Test Method
Tensile Strength	11,000	psi	ASTM D638
Tensile Modulus	570	ksi	ASTM D638
Tensile Elongation at Break	4.4	%	ASTM D638
Flexural Strength	18,000	psi	ASTM D790
Flexural Modulus	510	ksi	ASTM D790
Heat Deflection Temperature	197	°F	ASTM D648
Barcol Hardness	40	Units	ASTM D2538

Catalyzed with 1.25% DDM-9. Cured at room temp for 24 hours followed by 2 hours at 280°F.

AROPOL® L 70534 T Resin Series

Standard package
Steel drum with net weight of 205 kgs (452 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 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.

[i]All properties are typical values. Results may vary. Typical values are not a guaranteed analysis of any specific lot or specification.
ALTA Performance Materials is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world. ® Registered trademark and ™ trademark ALTA or its subsidiaries, registered in various countries.
© February 26, ALTA; Published February 26, 2026