AROPOL™ L 67300 Series General Purpose Marine Laminating Resin

Aropol™ L 67300 RESIN Series Highlights

AROPOL™ L 67300 series resins are ISO/DCPD based, promoted and thixotropic polyester resins intended for use in general purpose marine laminating. AROPOL™ L 67300 resins are designed to have excellent performance in all areas in open mold boat-building. AROPOL™ L 67300 balances solid performance with optimized cost efficiencies. Ashland understands that boat-builders need improved productivity without sacrificing overall physical properties. With the AROPOL™ L 67300 GENERAL PURPOSE LAMINATING MARINE RESINS, Ashland has designed a resin that delivers just that right balance to boat builders:

Enhanced Application Properties
Fast Glass Fiber Wet-out
User Friendly Processing
Very Good Flex-Fatigue Properties
Good Through Cure
Boat MACT Compliant

Recommended Product Application

AROPOL™ L 67300 series resins are recommended for marine applications that require low HAP content for hand lay-up or spray-up operations for use both above and below the water line.

Typical Liquid Properties

Data shown is representative of Aropol L 67303 T-30. Aropol L 67301 is available in 15, 20, 25, 30, 40 and 45 minute gel time versions. Aropol L 67303 is also available is 35, 40 and 45 minute gel time versions.

Property	Value	Unit	Test Method
Gel Time	30	Minutes	HC-04A
Gel to Peak Exotherm	8	Minutes	HC-04A
Peak Exotherm	325	°F	HC-04A
Brookfield Viscosity (LVT #3 @ 60 rpm)	550	cps	ISO 2555
Thix Index	3		ISO 2555
Solids, minimum	65	%	
Density	9.1	lbs/gal	ISO 2811
HAPS	31.47	%	

Gel time was tested @77°F/25°C with 1.25 grams Lupersol DDM-9 Catalyst in 100 grams of resin.

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Typical Cured Resin Properties

Property	Value	Unit	Test Method
Clear Cast Panels post cured 24hrs @140°F per Det Norske Veritas			
Tensile Strength	6400	psi	ISO 527-1
Tensile Modulus	490	ksi	ISO 527-1
Tensile Elongation	2.3	%	ISO 527-1
Toughness to Break	50	psi	ISO 527-1
Flexural Strength	12000	psi	ISO 178
Flexural Modulus	500	ksi	ISO 178
Heat Deflection Temperature	75	°C	ISO 75-2
Water Absorption, 28 days	.7	%	ISO 62-80
Water Absorption, 28 days	85	mg H20/sample	ISO 62-80

Det Norske Veritas is an international ship classification and material certification system provider.

Property	Value	Unit	Test Method
Clear Cast Panels were post cured @140°F for 2 hours and then @280°F for 3 hours			
Tensile Strength	6300	psi	ISO 527-1
Tensile Modulus	490	ksi	ISO 527-1
Tensile Elongation	1.4	%	ISO 527-1
Toughness to Break	45	psi	ISO 527-1
Flexural Strength	12900	psi	ISO 178
Flexural Modulus	500	ksi	ISO 178
Heat Deflection Temperature	76	°C	ISO 75-2

Product Information

Each end-user should evaluate the performance of the resin in conjunction with their respective gelcoat, under conditions which simulate laminate design, production procedure and anticipated field exposure before use. For technical information on the performance of the resin, contact your Ashland Technical Representative.

Certificates and Approvals

The manufacturing, quality control and distribution of products, by Ashland Composite Polymers, comply with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001, and OHSAS 18001.

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Standard Package

Steel Drum with Net Weight of 220kgs (485lbs). DOT Label Requirement: Flammable Liquid

Commercial Warranty

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

Storage

Drums: Store at temperatures below 25*C. Storage life decreases with increasing storage temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. To avoid contamination of product with water, do not store outdoors. Keep sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock.

Bulk: See Ashland's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from Composite Polymers at 1-800-523-6963

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 Ashland assumes legal responsibility. Any warranties, including warranties of merchantability 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 Ashland, Ashland makes no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

Ashland requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.

More information

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