Technical Datasheet

AROPOL™ LF 60316 T-11 Filled Laminating Resin

Description

AROPOL LF 60316 T-11 Resin is a thixed and promoted resins designed to work well in highly filled applications and used in fast line speed operations, such as tub-shower.

Typical Liquid Resin Properties

Property[1, 2, 4]	Value	Unit
Styrene (max)	37	%
Filled Viscosity, LV #3 @ 60 rpm, at 29.4°C (85°F)	1000	mPa·s (cps)
Filled Thix Index at 29.4°C (85°F)	2.0	
Filled Room temperature gel @ 29.4°C (85°F)	11	
Filled Gel to Peak Exotherm	8	minutes
Filled Peak Exotherm Termperature	250	℉

(1) Properties are run using a 39/61 resin/filler mix. Filler is PMC SP.
(2) Gel tests run using 1.0 gram Cadox D-50 per 100 grams of filled resin at 39/61 resin/PMC SP mix. Resin temperature at 29.4°C (85°F) when catalyzed.

Typical Heat Cured Casting Properties

Property[3, 4]	Value	Unit
Tensile Strength	6,700	psi
Tensile Modulus	440	ksi
Elongation at Break	1.7	%
Flex Stength	11,400	psi
Flex Modulus	450	ksi
HDT	67	℃

(3) Room temperature cured casting physical properties determined through blending design of experiment with styrene level held constant at 35%. Cured using 1.25% MEKP-9 initiator. Post cured for 2 hours at 60°C.

(4) Properties are typical values and will vary from batch to batch. Typical values should not be considered a guarenteed analysis of any specific lot or as specification terms.

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Certificates and Approvals	The manufacturing, quality control and distribution of products, by ALTA Performance Materials, comply with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001.
Standard Package	Bulk TW or Steel Drum with Net Weight of 220 Kg (485 Lbs)
Commercial Warranty	Three months from date of shipment, when stored in accordance with the conditions stated below.
Storage	Drums - Store at temperatures below 25°C (77 °F). 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 containers sealed to prevent moisture pick-up and monomer loss. Mild mixing is recommended after prolonged storage. Rotate stock. Bulk - See ALTA Performance Materials's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from ALTA Performance Materials at +1.614.790.3333 or 800.523.6963. All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperatures will extend product stability.
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

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contained herein and the current Material Safety Data Sheet.

More Information

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