Technical Datasheet

INEOS Composites

AROPOL™ L 68306 T Resin Series

Description

The Aropol L 68306 T resin series are thixed resins for use in open molding and similar applications. The product is available in both a pre-promoted version as well as an unpromoted version which requires the use of cobalt in addition to the standard catalyst or initiator package.

Typical Liquid Resin Properties

Property[1]	Aropol L 68306 T-25	Aropol L 68306 T*	Unit
Viscosity, LV #3 @ 60 rpm	425	425	mPas (cps)
Thix Index	3	3	
Styrene Content	34	34	%
Room Temperature Gel	18	18	minutes
Gel to Peak Exotherm	9	9	minutes
Peak Exotherm Temperature	220	220	°F
Catalyst: 1.0g DDM-9 / 100g Resin	1.0	1.0	g / 100 g
* Add Cobalt-12% to the unpromoted* product	0	0.15	g / 100 g

[1] Properties are run at 25°C (77°F) unless otherwise stated. Properties are typical values and not a guaranteed analysis of any specific lot.

Clear Cast Properties

Property	Heat Cure	Room Temp Cure	Unit
Tensile Strength	9,700	7,200	psi
Tensile Modulus	580	470	ksi
Elongation	1.6	1.9	%
Flexural Strength	13,300	12,500	psi
Flexural Modulus	550	490	psi
HDT	176	135	oF

Heat cure using 1% BPO and 0.2% TBPB with heat cure of 30 min at 54C, 1 hour at 71C, 1 hour at 82C and 2 hours at 150C before testing.
Room temperature cure was held for 24 hours at room temp followed by two hours at 60C before testing.

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Certificates and Approvals	The manufacturing, quality control and distribution of products, by INEOS Composites, comply with one or more of the following programs or standards: ISO 9001, Responsible Care, ISO 14001 and OHSAS 18001.
Standard Package	220 Kg (485 lb) Net Weight Steel drum.
Commercial Warranty	Three months from date of shipment, when stored in accordance with the storage conditions stated below.
Storage	Drums - Store at temperatures below 25°C (77°F). Storage life decreases with increasing storage temperature. Avoid exposure to heat such as direct sunlight or steam pipes. To avoid contamination of the 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 - Refer to INEOS Composites's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from INEOS Composites at 1-614-790-3333 or 1-800-523-6963. All other conditions being equal, higher storage temperatures will reduce product stability and lower storage temperature 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 INEOS Composites 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 INEOS Composites, INEOS Composites 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.

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

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