Technical Datasheet

INEOS Composites

AROPOL™ L 67300 Series

Aropol™ L 67300 Series Highlights

AROPOL™ L 67300 resins are promoted and thixotropic polyester resins intended for use in general purpose laminating applications. AROPOL™ L 67300 resins are user friendly with fast fiber wet-out and good through cure. AROPOL™ L 67300 resins also have superior surface cosmetics.

Recommended Product Application

AROPOL™ L 67300 resins are recommended for applications that require low HAP content for hand lay-up or spray-up operations.

Typical Liquid Properties

Data shown is representative of Aropol L 67300 T-20. Aropol L 67300 is available in different gel time versions.

Property	Value	Unit	Test Method
Gel Time	20	Minutes	HC-04A
Gel to Peak Exotherm	8	Minutes	HC-04A
Peak Exotherm	325	°F	HC-04A
Brookfield Viscosity (LVT #3 @ 60 rpm)	500	cps	ISO 2555
Thix Index	2.5		ISO 2555
Solids, minimum	65	%	
Density	9.1	lbs/gal	ISO 2811

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

Typical Cured Resin Properties

Property	Value	Unit	Test Method
Clear Cast Panels post cured 24hrs @140°F			
Tensile Strength	6400	psi	ISO 527-1
Tensile Modulus	490	ksi	ISO 527-1
Tensile Elongation	2.3	%	ISO 527-1
Flexural Strength	12000	psi	ISO 178

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Flexural Modulus	500	ksi	ISO 178
Heat Deflection Temperature	75	°C	ISO 75-2

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 INEOS Composites Technical Representative.

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: Responsible Care, ISO 9001, ISO 14001, and OHSAS 18001.

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.

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Storage

Drums: Store at temperatures below 25C. 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 INEOS Composites's Bulk Storage and Handling Manual for Polyesters and Vinyl Esters. A copy of this may be obtained from INEOS Composites at 1-800-523-6963

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 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.

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