Technical Datasheet

INEOS Composites

HETRON™ 90509 T Series Spa Resin

Description

HETRON 90509 T series resins are epoxy vinyl ester resins with superior physical properties including:

- High heat distortion temperature
- High strength properties
- Excellent toughness and dimensional stability

Note: This resin was previously sold as Aropol LB 6070-109 Resin

Applications and Use

This resin is designed for use in spray up and lay-up applications of spas and hot tubs.

Typical Liquid Properties

Property[1] at 25°C (77°F)	Hetron 90509 T-14	Hetron 90509 T-11	Unit
Percent Solids	56	56	%
Viscosity, Brookfield LV #3 spindle @ 60 rpm	500	500	mPas (cps)
Gel Time	14	11	minutes
Gel to Peak Exotherm Time	10	10	minutes
Peak Exotherm Temperature	325	325	°F
Gel tested with 1.0 g MEKP-9 in 100 g resin			

(1) Properties are typical values based on material tested in our laboratories. Typical values should not be construed as a guaranteed analysis of any specific lot.

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, ISO 14001 and OHSAS 18001.

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Standard Package	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 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 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 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.