Technical Datasheet

INEOS Composites

AROPOL™ L 2450 Resin

Description

AROPOL L 2450 is a high reactivity UPR resin with excellent physical properties and good weathering performance.

Applications and Use

AROPOL L 2450 resin is designed for use in pultrusion applications of rigid thin walled parts.

Typical Liquid Resin Properties

Property(1) at 25°C (77°F)	Value	Unit
Non-Volatiles Content	66	%
Viscosity, #3 spindle at 30 rpm	2400	mPas (cps)

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

Typical Curing Characterisitics

SPI Gel Time - 82°C (180°F) Bath	Value	Unit
Gel Time	3.5	minutes
Peak Exotherm Time	4.5	minutes
Peak Exotherm Temperature	460	°F

Typical Clear Cast Properties

Property	Value	Unit
Tensile Strength	8,500	psi
Tensile Modulus	570	ksi
Elongation	1.8	%
Flexural Strength	12,800	psi
Flexural Modulus	580	ksi
HDT	280	°F

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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	Steel Drum with Net Weight of 220 Kg (485 Lb)
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 containers 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 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.

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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.