Technical Datasheet

INEOS Composites

AROPOL™ L 65332 Resin Series

Description

AROPOL L 65332 Resin Series is a thixed and promoted resin with less than 35% styrene content for use in general purpose laminating applications. This product contains greater than 10% recycle content form post industrial sources.

Typical Liquid Resin Properties

Property[1]	Aropol L 65332 T-15	Aropol L 65332 T-25	Aropol L 65332 T-33	Unit
Styrene Content (max)	35	35	35	%
Viscosity, #2 @ 60 rpm	400	400	400	mPa·s (cps)
Thix Index	3	3	3	
Room Temperature Cup Gel*	15	25	33	minutes
Time from Gel to Peak Temp*	12.5	13.5	14	minutes
Peak Exotherm Temperature*	240	235	230	°F
1.0 g DDM-9 in 100 g resin				

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

Typical Cured Resin Properties[1]

Property	RT Cure	Heat Cure	Unit	Method
Tensile Strength	7,400	9,500	psi	ASTM D638
Tensile Modulus	470	570	ksi	ASTM D638
Elongation	1.4	1.6	%	ASTM D638
Flexural Strength	14,100	13,000	psi	ASTM D790
Flexural Modulus	480	570	ksi	ASTM D790
HDT	60	80	°C	ASTM D648

RT Cure castings initiated with 1.25% DDM-9. Held at room temp for 24 hours followed by 2 hours at 60C.
Heat Cure castings initiated with 1% BPO and 0.4 TBPB. Heat cured for 30 minutes at 54C, 1 hour at 71C, 1 hour at 82C, and 2 hour at 150C.

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Standard Package	Bulk tankwagon, or, 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 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. 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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