Technical Datasheet

INEOS Composites

AROPOL™ L 65305 Resin Series

Description

AROPOL L 65305 series are thixed and promoted general purpose resins designed for laminating spray-up and hand lay-up applications. The Aropol L 65305 resins are available in a wide range of gel times. The LSE versions of the product are styrene suppressed.

Typical Liquid Resin Properties

Property[1] at 25°C (77°F)	Value	Unit
Non-Volatiles	64	%
Viscosity, Brookfield, # 3 at 60 rpm	450	mPa·s (cps)
Thixotropic Index	2.5	Units
Density	9.24	Lbs / Gallon

Resin	Gel Tim, minutes	Gel to Peak, minutes	Peak Exotherm °F
Aropol L 65305 T-17	17	8	330
Aropol L 65305 T-22	22	9	325
Aropol L 65305 T-27	27	9	325
Aropol L 65305 T-32	32	9	320
Aropol L 65305 T-33 LSE[2]	33	9	320

Gel time was measured using 1.25% Cadox M-50a in 100 grams of resin at 25°C (77°F).

[1]Properties are typical values and not a guaranteed analysis of any specific lot or specification.

[2]Styrene suppressed. VSR factor of 0.53 on neat resin. VSR factor of 0.68 on resin filled with 26% calcium sulfate.

Typical Cured Properties

Property[1]	Value[3]	Value[4]	Unit	Method
Tensile Strength	7,300	7,100	psi	ASTM D638
Tensile Modulus	480	550	ksi	ASTM D638
Elongation at Break	1.7	1.5	%	ASTM D638
Flexural Strength	11,000	11,900	psi	ASTM D790

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites

Technical Datasheet

INEOS Composites

AROPOL™ L 65305 Resin Series

Flexural Modulus	470	510	ksi	ASTM D790
Heat Deflection Temperature, HDT	69 (156)	85 (185)	°C (°F)	ASTM D648

(3)Clear casting physical properties cured using 1.25% DDM-9 catalyst. Post cured 2 hours at 140°F.

(4)Clear casting physical properties cured using 1.25% DDM-9 catalyst. Post cured 2 hours at 280°F.

Certificates and Approvals

The manufacturing, quality control and distribution of products, by INEOS Composites, complying with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001.

Standard Package

Bulk Container, or,
Drum with Net Weight of 220 Kg (485 Lbs)

Commercial Warranty

Three months from date of manufacture, 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 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 1-614-790-3333 or 1-800-523-6963.

With all other storage conditions being equal, higher storage temperatures will reduce product stability and lower storage temperature will extend product stability.

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites

Technical Datasheet

INEOS Composites

AROPOL™ L 65305 Resin Series

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.

INEOS Composites is committed to the continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.
® Registered trademark and ™ trademark INEOS Composites