

AROPOL® G 194 L

AROPOL G 194 L is a light stabilised, non-thixotropic, non-accelerated, orthophthalic acid based resin, especially developed for manufacturing of translucent sheets.

Typical liquid resin properties at 23 °C

	Value	Unit	Method
Viscosity, Brookfield RV2, 10 rpm	290	mPas	ISO 2555
Viscosity, cone&plate	290	mPas	ISO 2884
Styrene content	39	%	SFS 4864
Geltime	9	min	D 006
+ 2,0% Co-oct (1%)			
+ 1,0% MEKP-50			
Peak exotherm	170	°C	D 006

Typical cured resin properties

	Value	Unit	Method
Tensile strength	55	MPa	ISO 527
Tensile modulus	3800	MPa	ISO 527
Elongation at break	1,8	%	ISO 527
Heat deflection temperature	72	°C	ISO 75 (A)
Hardness	45	Barcol	ASTM D2583
Water absorption, 24 hours	22	mg/sample*	ISO 62-80
* 50x50x4 mm			

Application and use

AROPOL G 194 L is a resin developed for manufacturing of high clarity FRP sheets and designed for use in an automated lamination process.

Characteristics of AROPOL G 194 L resin are good and fast wetting of glass fibre and rapid curing.

Fully cured laminates made of AROPOL G 194 L with E-glass chopped rovings or a sheeting grade of E-glass chopped strand mat, have good weathering properties and exhibit little change in appearance after prolonged exposure.

Certificates and approvals

The manufacturing, quality control and distribution of products, by Ashland Composite Polymers, are complying with one or more of the following programs or standards: Responsible Care, ISO 9001, ISO 14001 and OHSAS 18001 by BVQI.



Ashland is committed to continuous evolution of technology and service solutions that promote health, safety and environmental protection around the world.

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Handling and storage

It is highly recommended that all material is stored at stable temperatures under 20°C preferably indoors, and away from direct sunlight. Prolonged storage or storage outside of recommended conditions can influence liquid resin properties like viscosity and gel time. It is also strongly recommended to mix resin thoroughly before use. Shelf life of AROPOL G 194 L resin is six (6) months.

The user is responsible to familiarise with the material handling and safety datasheet prior to the use of the product.

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 Ashland assumes legal responsibility. Any warranties, including warranties of merchantability 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 Ashland, Ashland makes no warranty or representation regarding the results which may be obtained by the user. It shall be the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

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

More information

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