

Technical Datasheet



AROPOL™ S 575 TA Low Styrene Content Resin

AROPOL S 575 TA is a low styrene content, isophthalic based resin. Base viscosity of AROPOL S 575 TA resin is low and glass fiber wetting properties are very good.

Typical liquid resin properties

Property at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV2, 10 rpm	1600	mPas	D 005
Viscosity, cone&plate	350	mPas	D 004
Styrene content max	35	%	D 003
Geltime, 1% MEKP-50	22	min	D 006
Peak exotherm	175	°C	D 006

Typical cured resin properties

Property	Value	Unit	Method
* 50x50x4 mm			
Tensile modulus	3700	MPa	ISO 527
Tensile strength	65	MPa	ISO 527
Elongation at break	3,0	%	ISO 527
Heat deflection temperature (ultimate)	80	°C	ISO 75/2 (A)
Water absorption, 28 days	100	mg/sample	ISO 62-80

Application and use

AROPOL S 575 TA is a high quality laminating resin for spray-up and hand lay-up application. It's suitable for a variety of FRP products including transportation and marine industry.



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Certificates and approvals

AROPOL S 575 TA resin fullfills Lloyd's Register and Det Norske Veritas requirements for construction of small crafts.

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

Handling and storage

It is highly recommended that all material is stored at stable temperatures under 25°C preferably indoors, and away from direct sunlight. Prolonged 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 S 575 TA is six (3) months.

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, 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 Ashland, Ashland 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.

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



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