

AROPOL® S 604 TB Low Styrene Content Resin

AROPOL S 604 TB is a low styrene content DCPD based polyester resin. The low styrene content means lower styrene emission especially in spray applications compared to standard resins. Good glass fiber wet out properties and surface cosmetics are characteristic for AROPOL S 604 TB resin.

Typical liquid resin properties

Property at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV2, 10 rpm	1200	mPas	ISO 2555
Viscosity, cone&plate	260	mPas	ISO 2884
Styrene content	35	%	SFS 4864
Geltime, 1% MEKP-50	35	min	D 006
Peak exotherm	120	°C	D 006

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	45	MPa	ISO 527
Tensile modulus	3100	MPa	ISO 527
Elongation at break	1,6	%	ISO 527
Heat deflection temperature (ultimate)	85	°C	ISO 75/2 (A)
Hardness	40	Barcol	ASTM D2583
Water absorption, 28 days	76	mg/sample*	ISO 62-80

* sample 50x50x4 mm

Application and use

AROPOL S 604 TB resin is developed for spray-up and hand lay-up applications and suitable for manufacturing of products for the marine, transportation and building and construction markets.

Certificate 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.

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 geltime. It is also strongly recommended to mix resin thoroughly before use. Shelf life of AROPOL S 604 TB is three (3) months.



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

® Registered trademark and ™ trademark of Ashland Inc.
* Registered service mark of the American Chemistry Council
© Ashland Inc. All rights reserved.

AROPOL® S 604 TB Low Styrene Content Resin

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

Ashland Composite Polymers
European Headquarters
C / Frederic Mompou 5, 4 th Floor
08960 Sant Just Desvern
SPAIN
Phone: +34 93 206 51 20
Fax: +34 93 204 13 02



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

® Registered trademark and ™ trademark of Ashland Inc.
* Registered service mark of the American Chemistry Council
© Ashland Inc. All rights reserved.