

Technical Datasheet



AROPOL™ S 604 INF-150 Infusion Resin / Low Styrene Content

AROPOL S 604 INF-150 is a low styrene content DCPD based polyester resin for infusion. Good glass fiber wet out properties and surface cosmetics are characteristic for AROPOL S 604 INF-150 resin.

Typical liquid resin properties	Property at 23 °C	Value	Unit	Method
	Viscosity, cone&plate	220		mPas
Styrene content	36		%	SFS 4864
Geltime, 1,5% NOROX MCP-75	150		min	D 006

Typical cured resin properties	Property	Value	Unit	Method
	Tensile strength	49		MPa
Tensile modulus	2900		MPa	ISO 527
Elongation at break	2,3		%	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 INF-150 resin is developed for infusion process and suitable for manufacturing of products for the marine, transportation and building and construction markets.

Certificate and approvals Aropol S 604 INF-150 resin is approved by Lloyd's Register for Special Service Craft.

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.

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 INF-150 is six (6) months.



Responsible Care*

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

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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.

More information

Ashland CZ Oy
Uzavřená 1/167
182 00 Praha 8
CZECH REPUBLIC
Telefon: +420 2 84 68 0906
Fax: +420 2 84 68 2260
PMeuropesales@ashland.com



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