

Technical Datasheet



AROPOL™ S 604 INF-60 Infusion Resin / Low Styrene Content

AROPOL S 604 INF-60 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-60 resin.

Typical liquid resin properties

Property at 23 °C	Value	Unit	Method
Viscosity, cone&plate	220	mPas	ISO 2884
Styrene content	36	%	SFS 4864
Geltime, 1,5% NOROX MCP-75	60	min	D 006

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	49	MPa	ISO 527
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-60 resin is developed for infusion process and suitable for manufacturing of products for the marine, transportation and building and construction markets.

Certificate and approvals

Arropol S 604 INF-60 resin is approved by Lloyd's Register for Special Service Craft.

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

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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 geltime. It is also strongly recommended to mix resin thoroughly before use. Shelf life of AROPOL S 604 INF-60 is three (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 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.

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