

# Technical Datasheet

Ashland Performance Materials



## AROPOL™ S 604 TA Low Styrene Content Resin

AROPOL S 604 TA 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 TA 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	20	min	D 006
Peak exotherm	115	°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 TA 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 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 TA is three (3) months.



Responsible Care\*

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