

Technical Datasheet



AROPOL™ G 154 TB General Purpose Resin

AROPOL G 154 TB is a thixotropic, pre-accelerated orthophthalic based general purpose resin with medium geltime.

Typical liquid resin properties

Properties at 23 °C	Value	Unit	Method
Viscosity, Brookfield RV2, 10 rpm	1200	mPa	D 005
Viscosity, cone&plate	180	mPa	D 004
Monomer content	41	%	D 003
Density	1,1		QC 16
Geltime, 1,0% MEKP-50	34	min	D 006
Peak exotherm	120	°C	D 006

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	60	MPa	ISO 527
Tensile modulus	3500	MPa	ISO 527
Elongation at break	2,1	%	ISO 527
Flexural strength	110	MPa	ISO 178
Flexural modulus	3900	MPa	ISO 178
Heat deflection temperature (HDT)	75	°C	ISO 75/2 (A)
Hardness	43	Barcol	ASTM D 2583
Water absorption, 24 hours	19	mg/sample	ISO 62

Application and use

AROPOL G 154 TB resin can be applied by hand lay-up, spray-up, cold compression, injection and filament winding. It is particularly recommended for the manufacture of industrial parts, car and building panels, tanks and silos.

Certificates and approvals

AROPOL G 154 TB resin is approved by Lloyd's Register and Det Norske Veritas for use in 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.

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 outside of recommended conditions can influence liquid resin properties like viscosity and gel time. It is also strongly recommended to mix



Responsible Care*

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

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

Technical Datasheet



AROPOL™ G 154 TB General Purpose Resin

resin thoroughly before use. Shelf life of AROPOL G 154 TB is six (6) 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.



Responsible Care*

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

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