

AROPOL® K 530 TE

AROPOL K 530 TE is a thixotropic, preaccelerated, isophthalic based special purpose resin with good mechanical properties combined with high heat and chemical resistance.

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	44	%	SFS 4864
Density	1,1	kg/dm3	ISO 2811
Geltime, 2% MEKP-50	12	min	D006
Peak exotherm, 2% MEKP-50	185	°C	D006

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	65	MPa	ISO 527
Tensile modulus	4100	MPa	ISO 527
Elongation at break	2,5	%	ISO 527
Flexural strength	125	MPa	ISO 178
Flexural modulus	3 700	MPa	ISO 178
Heat deflection temperature (1,81 MPa)	93	C	ISO 75/A
Water absorption, 24 hours	18	mg/sample*	ISO 62-80
Water absorption, 28 days	80	mg/sample*	ISO 62-80
Hardness	45	Barcol	ASTM D2583
* 50x50x4 mm			

Application and use

AROPOL K 530 TE resin is recommended for manufacture of GRP equipment, exposed to a corrosive environment, e.g. tanks, silos and pipes.

Remark: A separate chemical resistance list indicates the maximum working temperatures for AROPOL K 530 TE resin, exposed to a wide range of chemicals.

Certificates and approvals

AROPOL K 530 TE resin is approved by Lloyd's Register, Germanischer Lloyd's and Det Norske Veritas for construction of small crafts. In many countries AROPOL K 530 TE fulfils the requirements specified for raw material to be used in products intended for use in contact with food.

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.



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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 gel time. It is also strongly recommended to mix resin thoroughly before use. Shelf life of AROPOL K 530 TE resin 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 or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

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

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