

Technical Datasheet

Ashland Performance Materials



AROPOL™ M 154 TB Low Styrene Emission Resin

AROPOL M 154 TB is an unsaturated orthophthalic acid based general purpose polyester resin. It is thixotropic and pre-accelerated. AROPOL M 154 TB resin contains additives which reduce styrene emission during use.

Typical liquid resin properties

Property at 23°C	Value	Unit	Method
Viscosity, Brookfield RV2, 10 rpm	1100	mPa	D 005
Viscosity, cone&plate	180	mPa	D 004
Styrene content	42	%	D 003
Density	1,1	kg/dm ³	QC 16
Geltime, 1% MEKP-50	40	min	D 006

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength at Yeald	55	MPa	ISO 527
Tensile modulus	3500	MPa	ISO 527
Elongation at break	2,0	%	ISO 527
Flexural strength	100	MPa	ISO 178
Flexural modulus	3900	MPa	ISO 178
Heat deflection temperature (HDT)	80	°C	ISO 75/2 (A)
Hardness	43	Barcol	ASTM D2583
Water absorption, 24 hours	19	mg/sample*	ISO 62
* 50x50x4 mm			

Application and use

AROPOL M 154 TB resin can be used by hand lay-up or spray-up. It is particularly recommended for the manufacture of industrial parts including cladding, silos and tanks.

Certificates 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 25°C preferably indoors, and away from direct sunlight. Prolonged storage outside of recommended conditions can influence liquid resin properties like viscosity and gel time. Shelf life of AROPOL M 154 TB is six (6) months.



Responsible Care*

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