

Technical Datasheet

Ashland Performance Materials



AROPOL™ PTM 208 TB Low Styrene Emission Resin

AROPOL PTM 208 TB is a thixotropic, pre-accelerated, low styrene emission general purpose polyester resin, with a moderate geltime.

When applying AROPOL PTM 208 TB resin, styrene emission is reduced by up to 50% compared to standard resins. Emission is only 2-5% of polyester resin used compared to 5-10% of standard polyester resin.

Typical Liquid Resin Properties	Property at 23°C			
	Property at 23°C	Typical value	Unit	Method
	Viscosity, Brookfield RV2, 10 rpm	1400	mPas	DS-09-138
	Viscosity, Cone&Plate	325	mPas	DS-09-
	Non-Volatiles	59	%	DS-09-143
	Gel Time, 1,5% MEKP-50	40	min	DS-09-129
	Peak Exotherm Temperature	130	°C	DS-09-129

Typical Cured Resin Properties	Property ⁽¹⁾			
	Property ⁽¹⁾	Value	Unit	Method
	Tensile Strength	60	MPa	ISO 527
	Tensile Modulus	3200	MPa	ISO 527
	Elongation at Break	2,6	%	ISO 527
	Flexural Strength	110	MPa	ISO 178
	Flexural Modulus	3100	MPa	ISO 178
	Heat Deflection Temperature (HDT)	80	C	ISO 75/2 (A)

⁽¹⁾ Clear casting physical properties cured using 1,0% MEKP-50 catalyst. Post cured at 50°C for 24 hours. HDT sample post cured at 70°C for 24 hours.

Application and Use AROPOL PTM 208 TB resin is suitable for spray-up, hand lay-up and filament winding methods for manufacturing numerous FRP products for the building, construction and transportation markets.

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. It is also strongly recommended to mix



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resin thoroughly before use. Shelf life of AROPOL PTM 208 TB is three (3) months.

Notice

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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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