

# Technical Datasheet

Ashland Performance Materials



## AROPOL™ PTM 208 TA Low Styrene Emission Resin

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

When applying AROPOL PTM 208 TA 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	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	25	min	DS-09-129
Peak Exotherm Temperature	130	°C	DS-09-129

### Typical Cured Resin Properties

Property <sup>(1)</sup>	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)

<sup>(1)</sup> 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 TA 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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### AROPOL™ PTM 208 TA Low Styrene Emission Resin

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

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