

## Technical Datasheet



### AROPOL™ FS 7993 M-25

AROPOL FS 7993 M-25 is a low viscosity, pre-accelerated, medium reactive DCPD based polyester resin.

#### Typical liquid resin properties

Property at 23 C	Value	Unit	Method
Viscosity, Brookfield	130	mPas	DS-09-138
Styrene content	39	%	DS-09-143
Geltime, 1,5% AAP	30	min	DS-09-129
Time to peak exotherm	13	min	DS-09-129
Peak exotherm	150	C	DS-09-129
Acid value	22		DS-09-119
Colour is reddish			

#### Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	55	MPa	ISO 527
Elongation at break	2,2	%	ISO 527
Flexural strength	100	MPa	ISO 178
Heat deflection temperature (1,81MPa)	65	C	ISI 75 (A)
Barcol hardness	40		ASTM D2583

#### Application and use

AROPOL FS 7993 M-25 resin is suitable for producing FRP laminates as well as castings. Due to its low viscosity AROPOL FS 7993 M-25 resin has a high filler capacity without affecting other resin properties.

AROPOL FS 7993 M-25 resin is used in manufacturing a variety of products going into the agricultural, automotive, construction, electrical and other industries.

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# INEOS Composites

### AROPOL™ FS 7993 M-25

Certificates and approvals	The manufacturing, quality control and distribution of products, by INEOS Composites, are complying with one or more of the following programs or standards: ISO 9001, ISO 9002, 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 resin thoroughly before use. Shelf life of AROPOL FS 7993 M-25 is two (2) months.
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