

Technical Datasheet

Ashland Performance Materials



AROPOL™ FS 70 Low Styrene Content Resin

AROPOL FS 70 is a low viscosity, low-medium reactivity DCPD hybrid polyester resin system, with low styrene content.

Typical liquid resin properties

Property	Value	Unit	Method
Viscosity at 25 °C Brookfield	600	cps	ISO 2555
Styrene content	26	%	DS-09-143
Promotor Cobalt 6%	0,2	%	
Geltime at 20°C	23	min	DS-09-129
2% Catalyst MEKP (50%)			
0.2% promoter Cobalt(6%)			
Time to peak exotherm	9	min	DS-09-129
Peak exotherm	155	°C	DS-09-129
Colour	4 max	Gardner	

Typical cured resin properties

Property	Value	Unit	Method
Tensile strength	40	Mpa	ASTM D-638
Elongation at break	2,2	%	ASTM D-638
Flexural strength	70	Mpa	ASTM D-790
Heat deflection temperature (1,81MPa)	57	°C	ASTM D-648
Barcol hardness	40		ASTM D2583

Application and use

AROPOL FS 70 is a rigid ,polyester resin,with a low shrinkage and high hardness.It is characterized by its low styrene content that allows handling the resin more easily in all kind of working environments.

Aropol FS 70 can be used in fibre reinforced plastics as well as in casting.It has a high filler capacity without affecting its own binding features,since having a similar styrene content with regard to standard resins,Aropol FS 70 has a significant lower viscosity.

In relation to conventional resins and on equal visosity ,Aropol FS 70 has approximately 10%less styrene content.Since the resin provides a lower styrene emission both in its application and curing ,better working environments are obtained.

AROPOL FS 70 resin can be used in the agricultural, automotive, construction, electrical, industrial and marine industry for manufacturing of a variety of products.

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 9002, ISO 14001 and OHSAS 18001 by .



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Handling and storage Stored in well sealed containers and fresh rooms ,the resin has a shelf life of 4 months.However ,avoid exposure to sunlight and high temperatures which can significantly decrease the resinn shelf life.

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