

GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

SYNTEVEN 358-2

Product description

SYNTEVEN 358-2 is a styrenic orthophthalic unsaturated polyester resin, pre-promoted, thixotropic, medium viscose and medium reactive. It contains a colour change dye.

Application

SYNTEVEN 358-2 is designed for general purpose laminating applications such as hand lay-up or spray-up. It is very suitable for manufacturing of boats and other composite parts.

Specification

<u>Property</u>	<u>Range</u>	<u>Unit of measure</u>	<u>Norm/Method</u>
Viscosity at 25 °C (Brookfield RVDV-II+, RV#2@20 rpm)	350 – 450	mPa·s	V227.05.6
Thixotropic index at 25 °C (Brookfield RVDV-II+, RV#2@2/20 rpm)	min 3,0		V227.05.7
Non-volatile content	min 50,0	%	GA 006.1

Additional properties*

<u>Property</u>	<u>Range</u>	<u>Unit of measure</u>	<u>Norm/Method</u>
Density at 20 °C	appr. 1,11	g/ml	DIN 53217/2
Curing properties at 25 °C: (100g Resin, 1,5g Butanox M50)			G116.01.2
Gel time	25,0 - 35,0	min.	
Time from gel to peak	10,0 - 15,0	min.	
Peak exotherm	140 – 170	°C	

Stability at 25 °C 3 months

* These values provide general information and are not part of the product specification.

Cast mechanical properties**

<u>Property</u>	<u>Value</u>	<u>Unit of measure</u>	<u>Norm/Method</u>
Tensile Strength	60	Mpa	ASTM-D-638
Tensile Elongation	2,0	%	ASTM-D-638
Tensile Modulus	3800	Mpa	ASTM-D-638
Heat Distortion Temperature (HDT)	70	°C	ISO 75

** These are typical values of the unreinforced cured resin. The tests were run on casting samples cured in the mold at room temperature for 24 hours and 3 hours at 80 °C. They provide general information and are not part of the product specification.

Storage

The resin should be stored indoors, in the original packaging, at temperatures between 5 °C and 30 °C. Exposure to direct sunlight should be avoided. The properties of the product might change during storage.

Safety

Please consult the Safety data sheet before working with this product.

The information contained in this data sheet is based on laboratory data and field experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any liability for occurrences arising out of its use. The user, by accepting the products described herein, agrees to be responsible for thoroughly testing each such product before committing to production. Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code or insurance regulation.

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