



# Technical Information

# Datasheet

Expiry Date: Dec 2022

## INSPEC<sup>®</sup> 585M

Refer to MSDS Resins Code A

## HIGH STRENGTH INFUSION LOW PROFILE FINISH MODIFIED VINYLESTER

### DESCRIPTION

**INSPEC<sup>®</sup> 585M** is a modified Vinylester blend designed for high strength, high impact performance parts which are made using a RTM Lite/Resin infusion process and require a good low profile finish and fast fill time.

**INSPEC<sup>®</sup> 585M** has excellent heat and chemical resistance, water resistance and a high HDT.

**INSPEC<sup>®</sup> 585M** is a very low styrene content resin providing low shrink properties and is suitable for room temperature processing using standard type MEKP initiators.

FEATURES	BENEFITS
Excellent water and chemical resistance	Suitable for all Marine applications
High Strength and toughness	Good impact strength less prone to cracking
Low Profile finish	Minimises glass print through, better looking surface finish
High HDT 90°C	Less likely to distort or change shape

### TYPICAL LIQUID PROPERTIES

PROPERTY	SPECIFICATION	CDR TEST
Viscosity @ 25°C, mPa.s	80 -120	TM01
Volatile content, %	33 -36	TM05
Geltime @ 25°C, 1.0 phr* CUROX M200, minutes	45 - 55	TM03
Stability in the dark @ 25°C, months	6 minimum	4.1
*phr = parts per hundred resin, by mass		

### POST-CURING

Satisfactory laminates can be achieved using **INSPEC<sup>®</sup> 585M** by curing at ambient temperature preferably between 20-30°C (but not less than 15°C). When optimum properties and long-term performance are required however, post-curing is recommended.

After demould allowed to mature for 24 hours at workshop temperature (23°C). They should then be post-cured for 3 hours at 80°C, although a longer period at a lower temperature will

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