

Preliminary Technical Data Sheet

CeTePox[®] AM XP 345 A/B

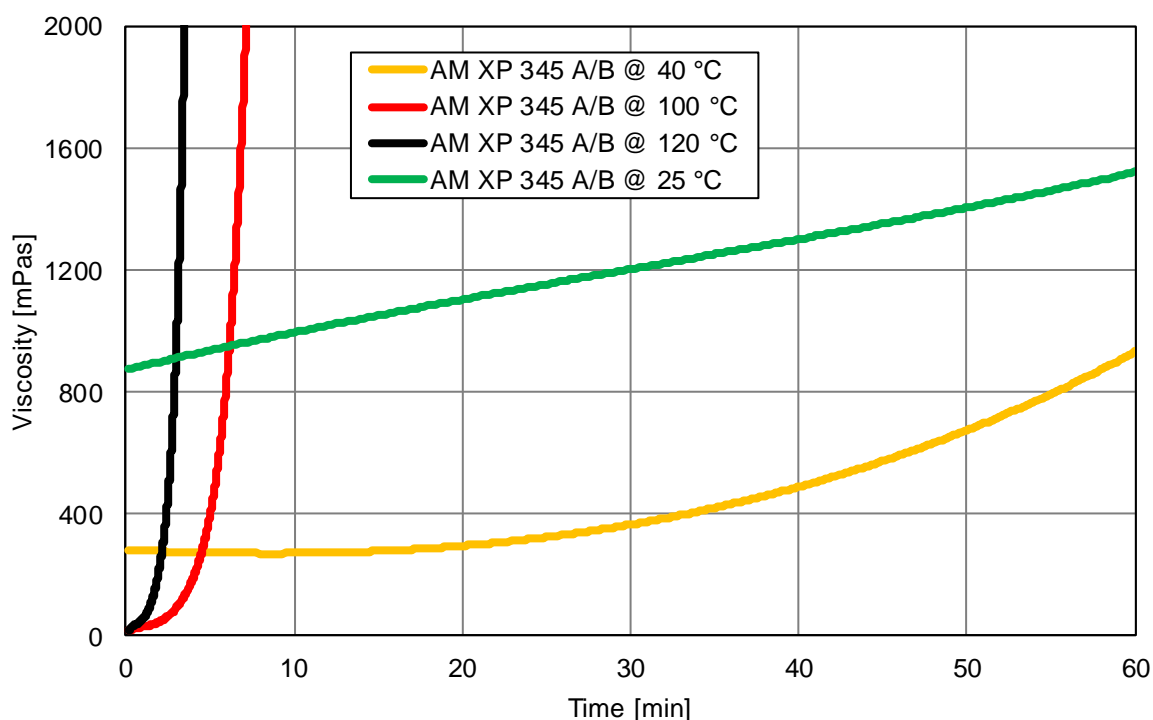
Characteristics Flame retardant epoxy infusion system.

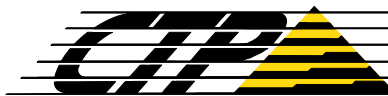
Properties and Fields of Application

CeTePox[®] AM XP 345 A/B is a flame-retardant, solvent-free epoxy system for infusion and RTM applications, which is infusion capable for 30 - 40 minutes at a processing temperature of 40 °C. Typically this infusion system is post-cured at a temperature level of 100 - 130 °C. Resulting components grant good flame protection properties. After short post-curing cycle a $T_G > 100$ °C is obtained.

	Property	Unit	Comp A	Comp B
Typical Data	Viscosity @ 25 °C	mPas	2600 - 2800	8
	Viscosity @ 40 °C	mPas	550 - 570	-
	EEW (solid)	g/equiv.	185 - 200	-
	Amine equivalent	g/equiv.	-	33
	Density @ 20 °C	g/cm ³	1.189	0.932
Mixing Ratio	Parts by Weight	pbw	100	17
Reactivity	Initial mixing viscosity @ 40 °C	mPas	250 - 270	
	Gel time @ 60 °C	min	45 - 55	
	Time below 500 mPas mixing viscosity	min	40	

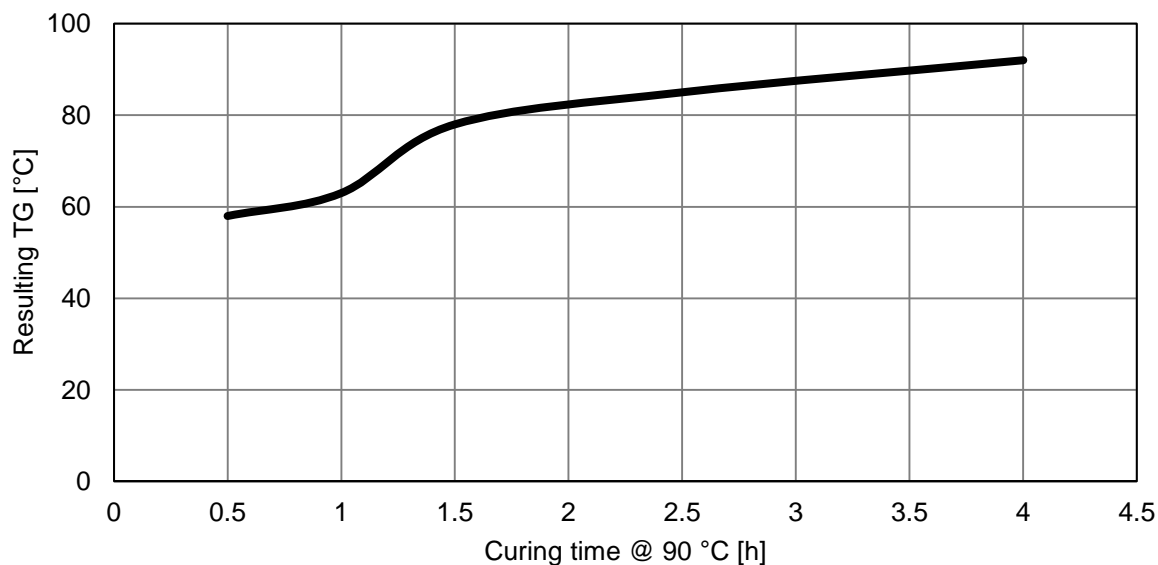
Viscosity development





Curing Conditions	Temperature	°C	100 - 130
	T _G , Inflex. point (8 h @ 60°C)	°C	68
	T _G , Inflex. point (8 h @ 60°C + 1 h @ 100 °C)	°C	85
	T _G , Inflex. point (90 min @ 125 °C)	°C	106

T_G development in thin layers at 90 °C



Water absorption	after 24 h @ 23 °C	%	0.59
	after 7 days @ 23 °C	%	1.40

Shelf Life & Storage

Store this material in a clean, dry environment in its tightly closed original container. This product is not considered especially temperature or moisture sensitive, but should ideally be stored at temperatures between 18 and 25°C and kept from moisture contamination. If the recommended storage conditions are observed the products will have a minimum shelf-life of 12 months from the date of shipment.

Remarks with Regard to Occupational Safety

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

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