

Description:

CM-Preg F-T03 245/1250 CP0032 44

The CP003 systems are high flow, low viscosity epoxy systems. Due to the low viscosity at high temperature these systems are suitable for vacuum only processes at low temperatures. The systems could be pigmented upon request

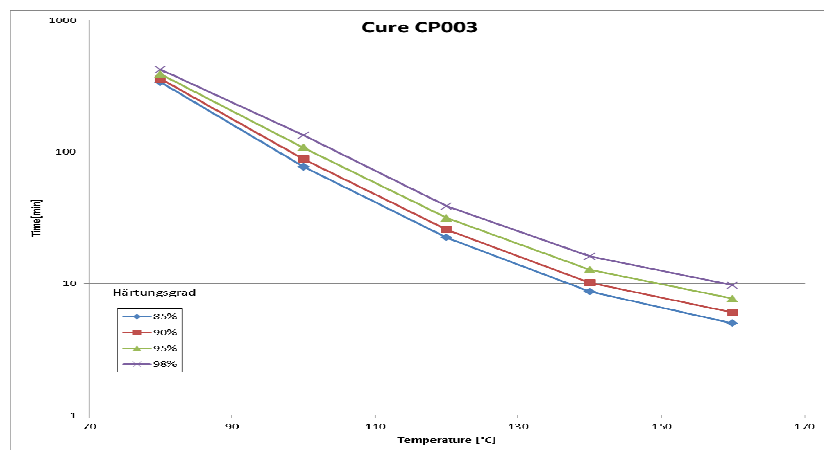
Benefits and Features:

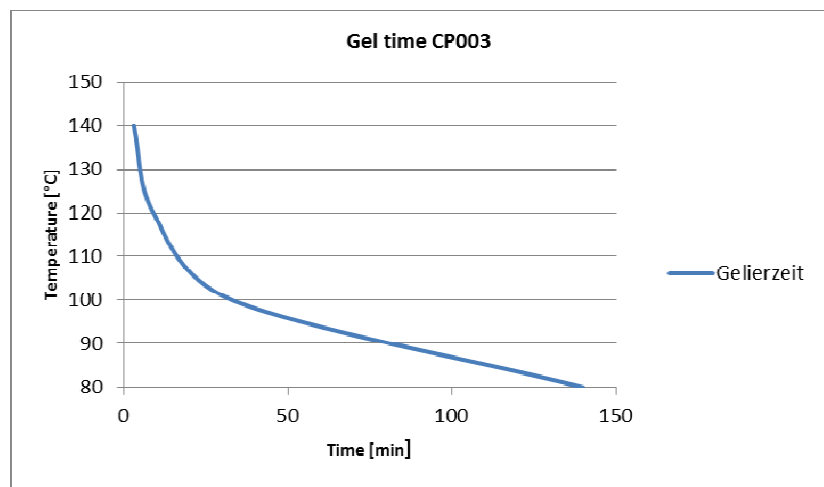
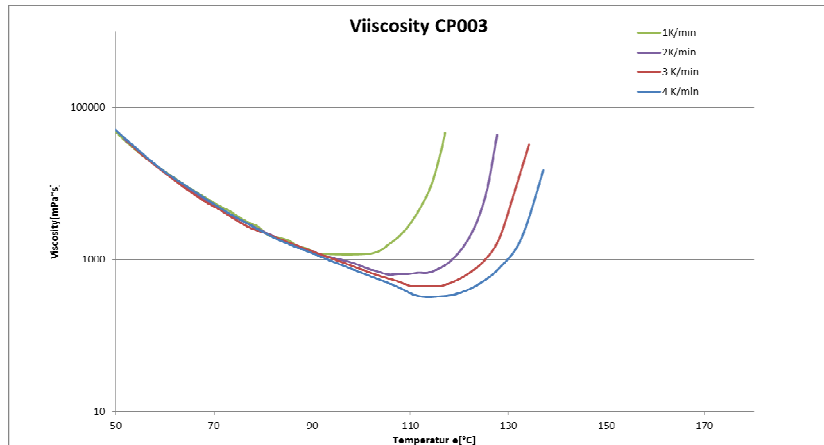
- modified flow characteristic
- good bonding properties
- suitable for vacuum process
- very good surface properties

Matrix Properties:

CP0032

min. Viscosity	mPas	325
T _g (2h/120°C)	°C	125
Colour		black
Specials		tbd





Storage Life and Storage Conditions

45 days	@	20 °C
12 month	@	-18 °C

Processing

Prepregs out of CP003 resin system are processable with all common technologies. The typical processing window is between 80°C and 170°C. The curing time varies from 4min up to 12hours depending on temperature

Prepreg Properties:

Textuer: Epoxy Carbon Fabric Prepreg
Twill 2/2 3K

Fiber Areal weight:	g/m ²	DIN	29971	245
Resin Content:	%	DIN	2557 C	44
Prepreg Areal Weight:	g/m ²	DIN	2557 C	438
Width:	mm	DIN		1.250

Laminate-Properties (Example - HT - Carbon fiber / 60 Vol%)

Artikel		CM-Preg F	CM-Preg T
Grade		Köper 2/2	UD
FAW	g/m ²	245	200

Tensile Strength 0°	MPa	DIN	ISO 527	1100	1900
E-Modulus 0°	GPa	DIN	ISO 527	70	135
Flexural Strength	MPa	DIN	ISO 14125	1050	2050
Flexural-Modulus 0°	GPa	DIN	ISO 14125	62	130
ILSF	MPa	DIN	EN 2563	70	85

additional mechanical properties available on request

Important

This is not a specification. All information is believed to be accurate in relation to the performance, storage and other characteristics of the product without acceptance of liability. Users are held to do their own tests to check the suitability of the product for its particular purpose