

Description: CM-Preg MX12 400/1270 CP0041 43

The CP004 Systems are thermoplastic modified Epoxy systems with outstanding toughening properties. The resin system is mainly for industrial applications and suitable to carry high loads

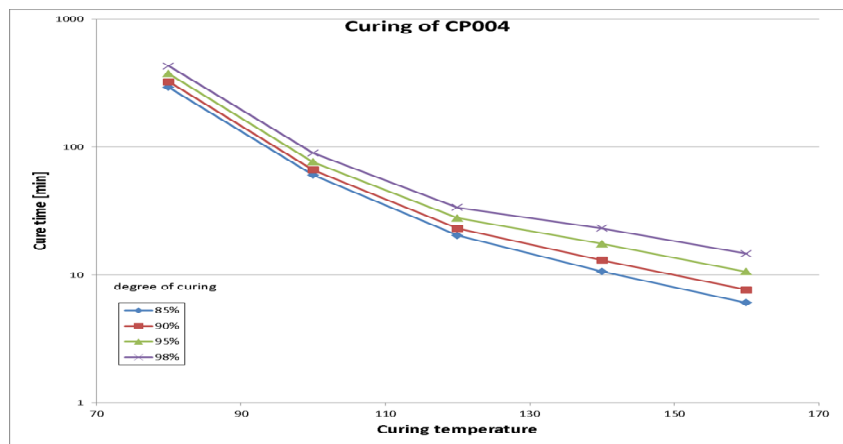
Benefits and Features:

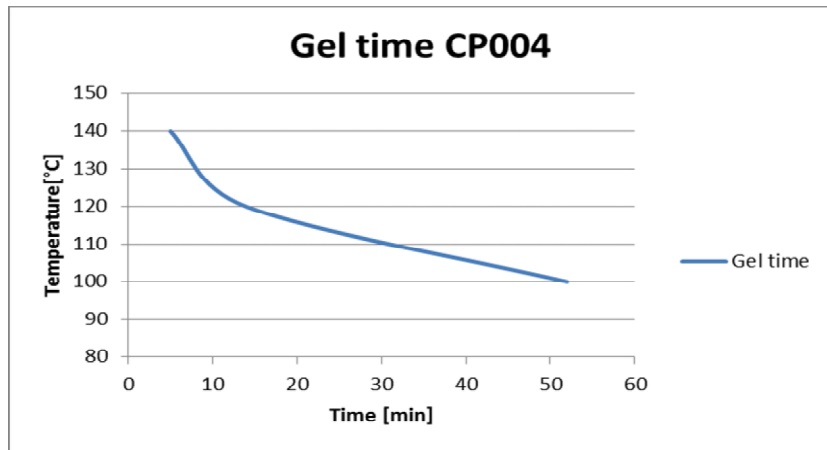
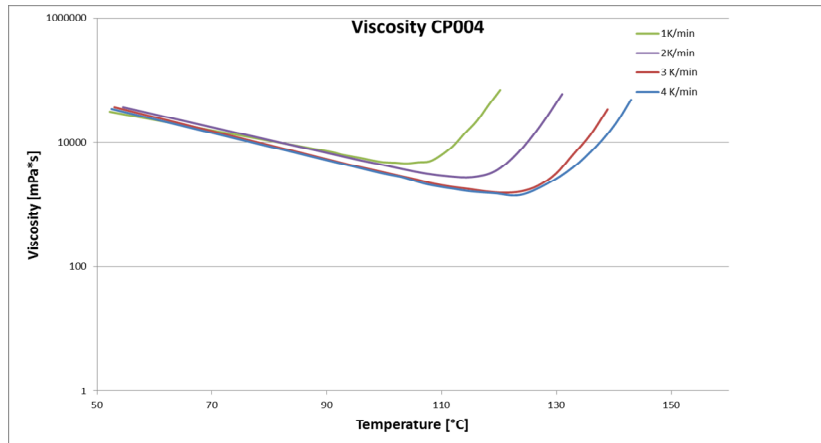
- Modified flow characteristics
- Good bonding properties
- Toughend System
- Suitable for a wide temperature range

Matrix Properties:

CP0041

min. Viscosity	mPas	1600
T _g (1h/120°C)	°C	130
Color		black
Specials		n.a.





Storage Life and Storage Conditions

60 Days	@	20 °C
12 month	@	-18 °C

Processing

Prepregs out of CP004 resin system are processable with all common technologies. The typical processing window is between 80°C and 165°C. The curing time varies from 15min up to 4hours depending on temperature



Prepreg Properties:

Textur: Multiaxial Epoxy Carbon Prepreg
MX

Fiber Areal weight:	g/m ²	DIN	29971	400
Resin Content:	%	DIN	2557 C	43
Prepreg Areal Weight:	g/m ²	DIN	2557 C	702
Width:	mm			1.270

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	420

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	1250
Flexural-Modulus 0°	GPa	DIN	ISO 14125	62	110
ILSF	MPa	DIN	EN 2563	70	58

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