

Description:

CM-Preg R- 50/1100 CP006 50W

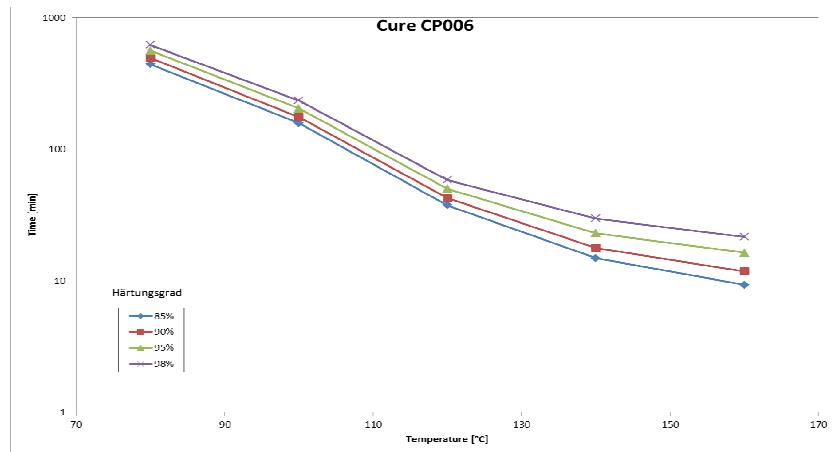
The CP006 Systems are thermoplastic modified Epoxy Systems with very good impact properties. The CP006 Systems are medium viscosity systems and can achieve a T_g up to 150 °C.

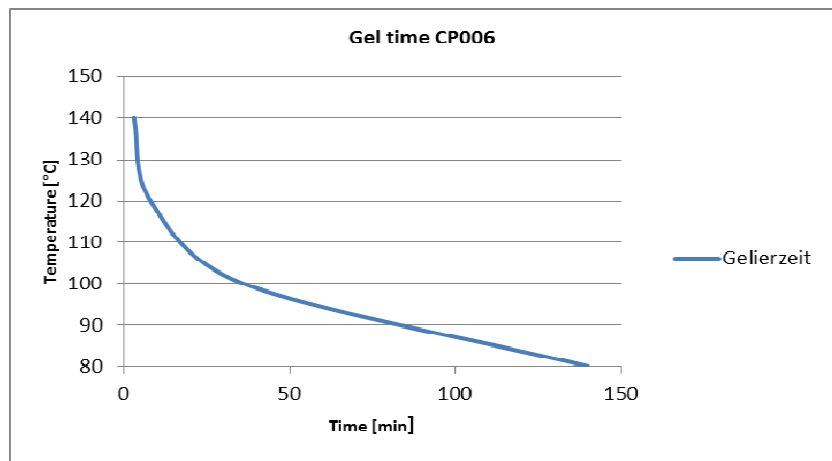
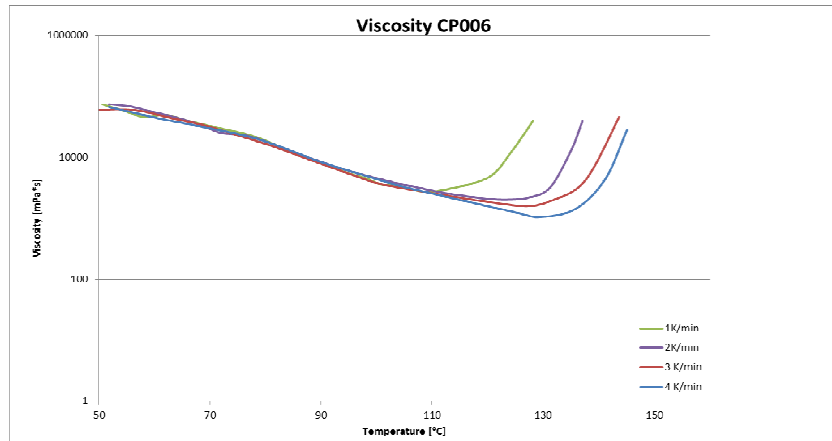
Benefits and Features:

Toughend System
 T_g up to 150 °C
 Suitable for a wide temperature range

Matrix Properties:

		CP006
min. Viscosity	mPas	1050
T _g (1h/120°C)	°C	125
Color		nature
Specials		tbd





Storage Life and Storage Conditions

28 days @ 20 °C
 12 month @ -18 °C

Processing

Prepregs out of CP006 resin system are processable with all common technologies. The typical processing window is between 80°C and 150°C. The curing time varies from 8 min up to 8 hours depending on temperature

Prepreg Properties:

Textur: Epoxy Film

Fiber Areal weight:	g/m ²	DIN	29971	0
Resin Content:	g/m ²	DIN	2557 C	50
Prepreg Areal Weight:	g/m ²	DIN	2557 C	50
Width:	mm			1.100

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