

Epoxy Matrix System

Name	CP002	CP003	CP004	CP005	CP006	CP007	CP009	CP012	CP201
Cure Temperature	75 - 160°C	70 - 170°C	75 - 170°C	90 - 160°C	80 - 150°C	75 - 160 °C	70 - 170°C	120 - 180°C	50 - 200°C
Time	330 - 10 min	500 - 4 min	300 - 5 min	300 - 15 min	500 - 8 min	350 - 7 min	500 - 4 min	15 - 3 min	8 h - Postcure in steps
Pressure	0,8 - 3 Bar	0,8 - 3 Bar	0,8 - 5 Bar	2 - 6 Bar	0,8 - 5 Bar	0,8 - 3 Bar	0,8 - 6 Bar	2 - 6 Bar	2 - 6 Bar
Viscosity	low	very low	medium	medium	medium	low	medium	high	medium
TG	120°C	125°C	125°C	115°C	150°C	165°C	125°C	135°C	205°C
Shelf life	3 weeks@RT	12 weeks@RT	10 weeks@RT	2 weeks@RT	6 weeks@RT	6 weeks@RT	2 weeks@RT	3 weeks@RT	4 days@RT
Textile application	UD/Fabric/MX/scrim	UD/Fabric/MX/scrim	UD/Fabric/MX/scrim	UD/MX/scrim	UD/Fabric/MX/scrim	UD/Fabric/MX/scrim	UD/Fabric/MX/scrim	UD/Fabric/MX/scrim	Fabric/scrim
Other	FAR 25.853	transparent	high tough	high tough FST	high tough	-	transparent	fast curing	tooling

Resinsystem Sub-System Remarks

CP001		Phenolic System for ballistic application
CP002		
	1	FAR 25.853 black pigmented
	2	FAR 25.853
	3	UL94 - VO
CP003		
	1	transparent
	2	slightly black pigmented
	3	dark black pigmented, reduced tack
	4	transparent, high tack
	7	transparent, reduced reactivity
	8	dark oliv green pigmented, reduced tack
	9	dark black pigmented, reduced tack
CP004		
	1	slightly black pigmented
CP006		
		medium viscosity, medium Tg
	1	black pigmented
	2	higher reactivity
CP007		
		low viscoity, high Tg
CP009		
	1	transparent
	2	
	3	transparent, white spot free
CP012		

for detail Information please request for a data sheet:

info@c-m-p-gmbh.de