

cenvar PRODUCT GUIDE : EPOXY POTTING, ENCAPSULATING & CASTING RESINS

Product	Hardener Mixing Ratio pbw	Accele- rator Mixing Ratio pbw	Cold / Hot Curing	Curing Time	Cured Mass	Viscosity after mix	Pot Life @ RT	Exotherm	Curing Schedule		Properties				Characteristics
									Typical	for high properties	Electri- cal	Mechani- cal	Chem- ical	Thermal	
UNFILLED & RIGID - COLD CURING															
cenvar EPS E01	X9 100 : 10	-	cold	very fast	rigid	medium to low	very short	vey high	20h/RT	3~7d/RT	☆☆	☆☆☆	☆☆	☆	medium viscosity, fast room temperature curing
	C13 100 : 55	-	cold	fast	rigid	medium to high	very short	high	24h/RT	7d/RT	☆☆	☆☆☆	☆☆	☆	high viscosity, room temperature curing, lower shrinkage
cenvar EPS E01-LV	X9 100 : 10	-	cold	very fast	rigid	very low	very short	vey high	20h/RT	3~7d/RT	☆☆	☆☆☆	☆☆	☆	low viscosity, fast room temperature curing, better crack resistant than E01
	C16 100 : 55	-	cold	fast	rigid	very low	very short	high	24h/RT	7d/RT	☆☆	☆☆☆	☆☆	☆	low viscosity, room temperature curing, crack resistant, lower shrinkage
FILLED & RIGID - COLD CURING															
cenvar EPS E21	X9 100 : 5	-	cold	fast	rigid	medium	short	moderate	20h/RT	3~7d/RT	☆☆☆	☆☆☆	☆☆	☆☆	low shrinkage, better compressive strength & thermal conductivity, but lower tensile strength, better operating temperatures ALSO AVAILABLE IN BLACK, RED
	C16 100 : 25	-	cold	medium	rigid	medium	moderate	moderate	24h/RT	7d/RT	☆☆☆	☆☆☆	☆☆	☆☆	
cenvar EPS E22	X9 100 : 5	-	cold	fast	rigid	medium	short	moderate	20h/RT	3~7d/RT	☆☆☆	☆☆☆	☆☆	☆☆	higher thermal conductivity , low shrinkage, better compressive strength, but lower tensile strength, high operating temperatures ALSO AVAILABLE IN BLACK, RED
	C16 100 : 20 ~ 25	-	cold	medium	rigid	medium	moderate	moderate	24h/RT	7d/RT	☆☆☆	☆☆☆	☆☆	☆☆	
FILLED & SEMI-FLEXIBLE - COLD / HOT CURING															
cenvar EPS E31-TC	C16 2 : 1	-	cold / hot	fast	semi- flexible	medium	short	moderate	24h/RT	3d/RT	☆☆☆	☆	☆☆	☆☆	semi-flexible, high thermal conductivity , low shrinkage, better crack resistance, higher elongation, but lower HDT & flexural strength ALSO AVAILABLE IN BLACK, RED
	X52 3 : 1	-	cold / hot	medium	semi- flexible	medium	moderate	moderate	24h/RT	3d/RT	☆☆☆	☆	☆☆	☆☆	

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									Typical	for high properties	Electri- cal	Mechani- cal	Chem- ical	Thermal	
GELCOAT - COLD CURING															
<i>cenvar</i> EPS RED GelCoat	X9 100 : 10	-	cold	very fast	rigid	medium	very short	vey high	24h/RT	3~7d/RT	☆☆	☆☆☆	☆☆	☆	red, medium viscosity, fast room temperature curing, low potlife, good HDT, excellent moisture & chemical resistance ALSO AVAILABLE IN BLACK
UNFILLED & RIGID - HOT CURING															
<i>cenvar</i> EPS E01	X5-L 100 : 20	-	hot	faster	rigid	medium	medium	very high	2h/80 + 2h/150	2h/80 + 6h/150	☆☆	☆☆☆	☆☆	☆☆	long pot life, B-Stage curing, good HDT
	AH11 100 : 80	A1 0.5~2	hot	moderate	rigid	medium	very long	low	2h/120 + 2h/150	2h/120 + 12h/180	☆☆☆☆	☆☆☆	☆☆	☆☆☆	low exotherm, long pot life, B-Stage curing, higher HDT
UNFILLED & SEMI-RIGID - HOT CURING															
<i>cenvar</i> EPS E41-C	AH11 100 : 50	A1 0.5~1	hot	moderate	semi-rigid	very low	very long	low	2h/120 + 2h/150	2h/120 + 12h/180	☆☆☆☆	☆☆	☆☆	☆☆	semi-rigid, low exotherm, long pot life, B-Stage curing, low shrinkage, good HDT
FILLED & RIGID - HOT CURING															
<i>cenvar</i> EPS E54 Black	AH11 100 : 50	A1 0.5~1	hot	moderate	rigid	medium	very long	low	2h/120 + 2h/150	2h/120 + 12h/180	☆☆☆☆	☆☆☆	☆☆	☆☆☆	low exotherm, long pot life, B-Stage curing, low shrinkage, high HDT, better compressive str., elongation & thermal cond., but lower tensile str
<i>cenvar</i> EPS E55	AH11 100 : 50	A1 0.5~1	hot	moderate	rigid	high	very long	low	2h/120 + 2h/150	2h/120 + 12h/180	☆☆☆☆	☆☆☆	☆☆	☆☆☆	
SINGLE COMPONENT & UNFILLED - HOT CURING															
<i>cenvar</i> EPS E68-S	-	-	hot	very fast	rigid	low	stable at RT	low	2~4h / 140~160	8~12h / 140~160	☆☆	☆☆☆	☆☆	☆☆☆	single component, stable at RT, tough resilient cure, fast cure, high HDT and high mechanical properties
<i>cenvar</i> EPS E68-S / LV	-	-	hot	very fast	rigid	very low	stable at RT	low	2~4h / 140~160	8~12h / 140~160	☆☆	☆☆☆	☆☆	☆☆☆	
SINGLE COMPONENT & FILLED - HOT CURING															
<i>cenvar</i> SLT E70F-S	-	-	hot	very fast	rigid	low to medium	stable at RT	low	2~4h / 140~160	8~12h / 140~160	☆☆	☆☆☆	☆☆	☆☆☆	high heat resistant, high bond strength working upto 180°C. It can be trickle impregnated to hot rotating winding to completely fill into the gaps gives improved heat transfer READY TO USE PRODUCT
<i>cenvar</i> SLT E72F-S	-	-	hot	very fast	rigid	medium	stable at RT	low	2~4h / 140~160	8~12h / 140~160	☆☆	☆☆☆	☆☆	☆☆☆	