

Global Supplier Model 비교

본 자료는 각 사의 공개 자료를 자의적인 해석으로 제작된 자료로 실제와 차이가 있을 수 있으므로 참고 자료 정도로만 사용 바랍니다.

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[TN12 Principles-and-Practice-for-Metallography](#)

[R&B 보유 미세조직 자료240515](#)

[R&B Consumables for Metallography K](#)

[R&B Hot & Cold Mounting Resin Catalog](#)

[UNIPOXY Cartridge Catalog](#)



Update 2024-05-20

L: Liquid, P: Powder PCT: Peak Cure Temperature

Designation	Code No. or Catalog No.						Characteristics	Curing time (Hr)	Mixed ratio Resin: Hardener	Properties
	R&B	STRUERS	BUHLER	ALLIED	PRESI	ATM				
Acrylic Resin	MCM-AP-Q						Quick Cure	15 min.	2:1 Weight	PCT:80°C, HS D80, Opaque, 15min curing
	MCM-AP-R						Fast Cure, Reinforced	8 min.	2:1 Weight	PCT:70°C, HS D90, Opaque, Bead reinforced
				QuickCure			Clear Quick Acrylic Resin	15-20 min.	2:1 Volume	Pressure chamber recommended
				QuickSet			Fast Cure Acrylic Resin	6-8 min.	2:1 Volume	HS D84, Peak Cure Temp. 60°C
			SamplKwick				General Purpose	8 min.	2R: 1H Volume	PCT:79°C, HS D80, Translucent, General purpose
			VariKleer				Acrylic Resin under Pressure	15 min.	2R: 1H Volume	PCT:100°C, HS D80, Clearest acrylic
			VariDur 10				투명 Acrylic Resin	8 min.	2R: 1H Volume	PCT:95°C, HS D80, 투명, low odor
			VariDur 200				Abrasion resistant	8 min.	2R: 1H Volume	PCT:80°C,HS D85, anti abrasion
			VariDur 3000				Highest hardness	18 min.	3R: 2H A: 1H B	PCT:106°C, HS D90, Hard, Edge retention
		Clarocit					Extraordinarily clear	20min.	L 6: P 10	PCT:90°C, Colorless, 투명, HS D85
		DuroCit-3					Excellent edge retention	30min.	L 1 8: L II 4, P 14	PCT:138°C,HS D85, Light yellow, Excellent edge retention
		LevoCit					Good edge retention	20min.	L 1: P 2	PCT:75°C,HS D84, Off white,Good edge-retention, planeness
		VersoCit-2					Routine examination	10min.	L2: P3	PCT:100°C,HS D82, Partly 투명
		ViaFix					For Vias and microvias	20min.	L9: P 11	PCT:115°C,HS D83, Clear(Ultra clear under pressure)
						KEM 15+	High edge retention	25 min.	L1:P1.5 Volume	PCT:100°C, HS D85, blue, opaque
						KEM 20	투명 (pressure)	15 min.	L1:P2 Volume	PCT:120°C, HS D84
						KEM 30	Semi-투명 (pressure)	5 min.	L1:P2 Volume	PCT:110°C, HS D85, Green, 투명
						KEM 35	Minimized gap formation	12 min.	L1:P1.5 Volume	PCT:100°C, HS D87, light green, opaque
					KM-U		투명, Fast curing under pressure	15min	2P 1L, Volume	PCT 115°C, HS D90, 투명, Fast curing under pressure
					KM-U		Opaque, Fast curing, White	15min	2P 1L, Volume	PCT 115°C, HS D90, Opaque, Fast curing, White
					KM-B		Opaque, Fast curing, Blue	15min	2P 1L, Volume	PCT 115°C, HS D91, Opaque, Fast curing, Blue
					KM-EM		Opaque, Replica, Yellow	8min	2P 1L, Volume	PCT 95°C, HS D87, Opaque, Replica, Yellow
		TN4006					Ultra clear	9-13 min.	2P 1L,Weight	Ultra clear, 가압기 필요
		TN4006SE					For thin plate, Crystal Clear	10min	2P 1L,Weight	박판용, IT Field에 적합
	TN4071					Quick Cure, 투명	5-7 min.	2P 1L, Weight	최단 Curing Time, 투명	
Polyester modified	TN4000					Fast Cure, Reinforced	12-17 min.	2:2:1 Weight	고 경도, Glass Bead 강화 불투명	

각 제조사 Model 비교

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2024-05-16

L: Liquid, P: Powder PCT: Peak Cure Temperature

Designation	Code No. or Catalog No.						Characteristics	Curing time (Hr)	Mixed ratio Resin: Hardener	Properties
	R&B	STRUERS	BUEHLER	ALLIED	PRESI	ATM				
Epoxy Resin	UNIPOXY-Q						Quick cure	1.0	2:1 Weight	PCT:100°C, HS D82, 투명, Fast curing
	UNIPOXY-T						Quick cure, forThin sample	4.0	4:1 Weight	PCT:100°C, HS D85
	UNIPOXY-C						Crystal clear,	8.0	2:1 Weight	PCT:40°C, HS D80, Crystal Clear
	UNIPOXY-S						Low viscosity	8.0	100:12 Weight	PCT100°C, HS D85, 투명, EpoxySet Compatible
				EpoxyMount			Fast-cure	2.0	10: 3 Weight	PCT: 66°C, HS D87
				EpoxySet			Low viscosity	8.0	100:12 Weight	PCT 54°C, HS D89, Low viscosity
			EpoxiCure 2				General-purpose	6.0	100:23 Weight	PCT40°C, HS D80
			Epokwick FC				Fast cure	2.0	100:20 Weight	PCT121°C, HS D80-83, Very Low Viscosity
			EpoThin 2				Low viscosity & Low temp.	9.0	100:45 Weight	PCT. 65°C, HS D75, Low Viscosity
			EpoHeat 2				Fast cure	1.0	100:20 Weight	PCT 162°C, For 65°C Shore D78
		CaldoFix-2					Vacuum impregnation	1.5 at 75°C	25:7 Weight	PCT:170°C, HS D85, Clear 투명, Low viscosity
		Specifix-40					Extremely good adhesion	3.5 at 55°C	2.5:1 Weight	PCT:100°C, HS D82, Clear 투명
		EpoFix					Vacuum impregnation	12.0	25:3 Weight	PCT:40°C, HS D78, Clear 투명, low viscosity
		ProntoFix					Rapid mounting	1.5	20:5.3 Weight	PCT:140°C, HS D83, 투명, Yellow
						Qpox 90	Vacuum impregnation	16-24	2R: 1H	PCT:60°C, HS D79, 투명, vacuum infiltration
						Qpox 92	Vacuum impregnation	12.0	4R: 1H	PCT:35°C, HS D81, 투명, vacuum infiltration
						Qpox 94	Vacuum infiltration	9.0	2R: 1H	PCT:100°C, HS D80, 투명, vacuum infiltration
						IP	Good impregnation	10.0	10% catalyst	PCT 30°C, HS D83, 투명, Good impregnation
					IP-FAST	Fast cure	2.0	30% catalyst	PCT 120°C, HS D89, 투명, Fast cure under pressure	
					MA2+	General use for soft materials	12.0	10% catalyst	PCT 60°C,HS D62, 투명, For soft materials	
Resoluble Resin					KMBACK	Resoluble Acrylic Resin	15min	2P, 1L Volume	PCT 115 °C, HS D83, Opaque, Soluble, Green	
	TN5071					Resoluble Acrylic Resin	10 min.	2:1 Weight	PCT 112°C 압입경도 144, 용해성, Green	
Conductive Resin	TN5000					Conductive for SEM, Copper	7 min.	20g:13cc Volume	PCT 125°C Indentation Hardness160, Opaque	
					KM-CO	Conductive for SEM, Graphite	30min	8P 5L Volumes	PCT 70°C, HS D62, Opaque, Graphite, Black	
					SEM 5000	Conductive for SEM, Copper	10 min.	P20g: L13 ml	PCT110°C, HS D91, Copper-brown	
Non Acrylic Resin	TN4021					MMA-free, Fast Cure, Black	5 min.	3:2 Weight	PCT 99°C, HS D83, 불투명, 무색, 무취	
					KEM 60	MMA-free, Red	10 min.	L0.9: P2 Weight	PCT:110°C, HS D85, red, MMA-free	
Light Curing Resin	TN2000LC					Light Curing Resin	10 min.	Single Comp.	PCT:80°C, HS D78, 투명, Light Curing Unit 필요	
					UV 50	Light Curing Resin	1 min.	Single Comp.	PCT:90°C, HS D83, 투명	
					UV 55	Light Curing Resin	10 min.	Single Comp.	PCT:95°C, HS D83, Lower gap formation	
Replication Resin	TN2200					Optical Curing Resin for Impression	1min	4*15ml	정밀 광중합 표면복제	
	TN2210					Optical Curing Resin for Impression	1min	2*1ml	시편보호용 Resin	
	TN2220					Optical Curing Resin for Impression	1min	1*15g	SEM 검사용, Coating불필요	
	TN3040					Indirect Surface Inspection Resin	5 min.	1:1~3:1 Weight	간접 표면검사용 Resin	
	PN I, II, III					Surface Impression Silicon	5 min.	1:1 Volume	표면복제, 복잡한 형상에 적합	