

POLYURETHANE AND EPOXY RESINS



	U4291	U6942	U6000 Free	 RE461	 RE551	 RE723-02	 RE820	 RE602	ST21	ST1626
Nature	Urethane								Epoxy	
Hardener	U4291B	U6942B	U6000B	RE101/ RE102	RE102	RE107	RE102	RE602	CA51	ST1626B
Ratio (Weight)	100 / 26	100 / 16	100 / 21	100 / 16	100 / 14	100 / 100	100 / 25	127 / 100	100 / 9	100 / 100
Specific gravity	1,05	1,55	1,5	1,55	1,55	1,1	1,1	1,3	1,6	1,15
Mixed viscosity at 20°C (cP)	500	1100	2600	1100	2400	300	4300	6000 -> Thixo	1500	15000
Hardness (Shore)	A20 Friable	D35	D40	D35	D55	A72	A80	D57	D90	D80
Temperature range	-50°C +120°C	-50°C +120°C	-50°C +120°C	-50°C +120°C	-40°C +130°C	-40°C +80°C	-55°C +120°C	-50°C +110°C	-50°C +150°C	-40°C +120°C
Thermal conductivity (W/m°K)	0,2	0,7	0,3	0,7	0,3	0,2	0,25	0,3	0,75	0,2
Dielectric strength (kV/mm)	14	25	27	25	21	On going	28	18	20	15
Working Time (min)	20	10-20	60	10-20	20	5	1 - 5	20 secs.	30 - 40	6
Gel Time (min)	30	30	60	30	55	10	4-10-40	7	50-90	10
Color	Yellow transparent	Black, White	White	Black, White, Red, Brown	Black	Translucent	Black, Beige	Black	Black	Transpa- rent
Repairability	Yes	No	No	No	No	Yes	Yes	No	No	No
Characteristic	Repairability	General	MDI Free	General	Low cost	Repairability	RF, Fast curing	Thixotropic	Anti piracy	Glue
Standards	-	UL94V0 Meets	-	UL 94V0 / EN 45545	UL 94V0	-	-	UL 94V0	UL94V0 Meets	-
Packaging	C400mL, K05K, K25,2K	C400mL, K05K, K25,2K	C400mL, K6,05K	K5,8K, K23,2K	B5K, B20K, B250K	K10K	K5K	50cc, C400mL, B12,7K	K01K, K05K, K27,5K	50cc

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Preparation video of a 2-component resin

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