

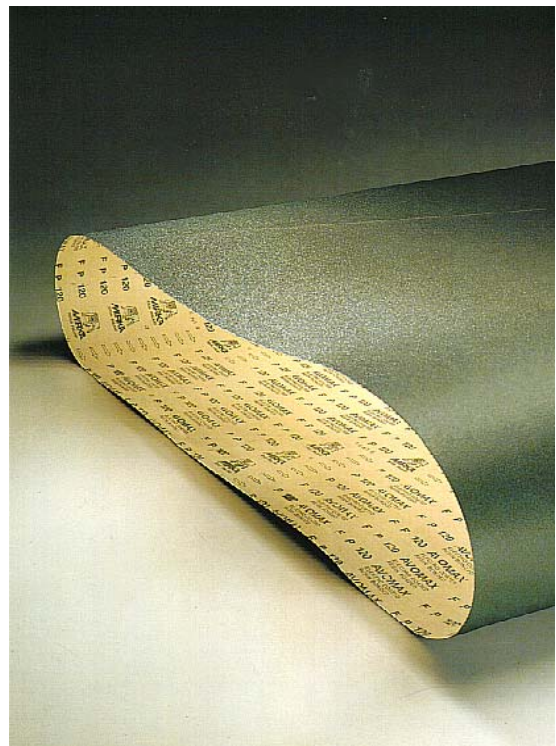
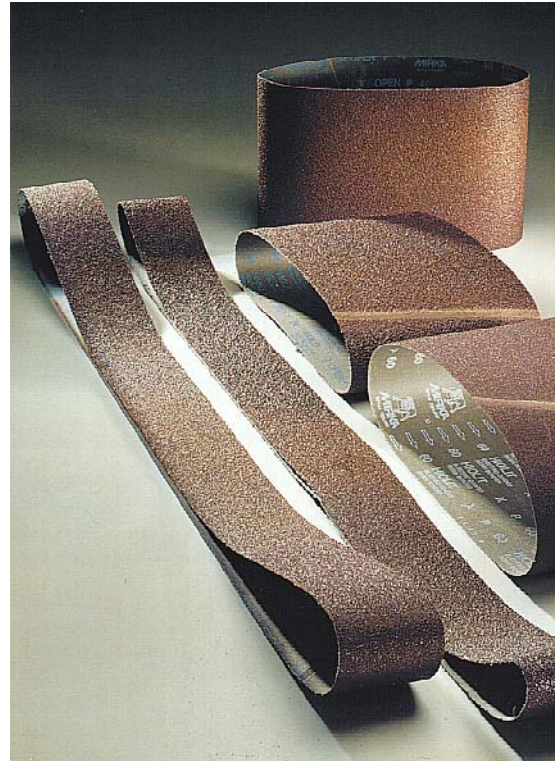


# PA resins ab

## Coated abrasives

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**PA Resins has more than 40 years of experience from the coated abrasive industry. We can offer you a wide range of products that provides you the highest product performance.**





## Coated abrasives

### Amino resins

Grade	Viscosity at 25°C mPas	Solids %	Water dilutability, 25°C %	Free Formaldehyde %	Application
PA 1210A	1 200 - 2000	66 - 70	> 200	c. 0,6	Rigid UF resin for wood grinding.
PA 1212A	1 200 - 2000	69 - 73	> 200	< 0,2	Rigid UF resin for wood grinding, low formaldehyde.
PA 1220A	900 - 1900	64 - 68	> 200	c. 0,6	Flexible UF resin for wood grinding. For replacement of animal glue.
PA 1230A	500 - 2000	61 - 65	> 200	c. 0,5	High flexible UF resin especially for maker coat. Furthermore suitable for lacquer grinding.
PA 1504A	800 - 2000	65 - 69	100 - 150	c. 0,5	MUF resin for improved water resistance.
PA 1591A	500 - 2200	62 - 66	100 - 150	c. 0,5	Flexible MUF resin for improved water resistance.
PA 1619A	1 100 - 2000	65 - 70	> 300	< 1,5	Rigid UF resin for wood grinding, high reactivity.
PA 1644A	300 -1500	59 - 64	> 200	c. 0,4	High flexible UF resin especially for maker coat. Furthermore suitable for lacquer grinding.

### Hardeners for amino resins

Grade	Density g cm <sup>-3</sup>	Recommended addition %	pH	Storage time at 25°C	Application
PA 9323A	c. 1,15	10	6 - 8	> 12 months	Standard hardener, high reactivity
PA 9262A	c. 1,15	10	c. 7 - 8	> 12 months	Hardener for long pot life, normal reactivity.
PA 9342A	c. 1,10	10	4.0 - 5.0	> 12 months	Hardener for very fast curing.



## Coated abrasives

### Phenolic resins

Grade	Viscosity at 25°C mPas	Solids %	Water dilutability, 25°C %	Gel time 100°C min	Free Phenol %	Free Formaldehyde %	Application
PA 3623A	1900 - 2500	66 - 70	30 - 70	50 - 60	c. 8	< 0,5	Resin in ethanol solution. Low reactivity and is suitable for high grade abrasives.
PA 5113A	800 - 1100 (20°C)	70 - 74	200 - 500 (20°C)	26 - 32	c. 5	c. 1	Maker and size coat resin, very high reactivity.
PA 5117A	1600 - 2000	73 - 76	400 - 600	50 - 60	c. 7	c. 0.5	Maker and size coat resin, medium reactivity.
PA 5170A	1700 - 2300	74 - 79	70 - 100	30 - 40	5 - 8	c. 2.5	Very tough grinding, metal and wood. Fast curing size coat resin.
PA 5171A	1900 - 2400	73 - 78	250 - 450	36 - 40	2 - 3	c. 2	Fast curing maker and size coat resin.
PA 5185A	3700 - 4300	74 - 78	175 - 325	70 - 90	4 - 5	< 0.5	Maker coat with improved drying properties.
PA 5197A	1800 - 2300	74 - 78	c. 80	28 - 38	c. 3.5	c. 2	Very fast curing maker coat resin.
PA 5265A	1400 - 2000	73 - 77	450 - 650	40 - 50	< 4	< 0.5	Maker coat improved drying properties.
PA 5268A	1800 - 2200	74 - 78	120 - 300	27 - 37	< 3	< 0.5	Fast curing and low monomers especially for size coat
PA 5352A	1200 - 2000	73 - 76	125 - 210	25 - 35 hardener added	< 1	< 0.5	Fast curing and low monomers. High colour stability.
PA 5538A	2500 - 4000 (20°C)	75 - 79	50 - 150 (20°C)	45 - 53	< 5	c. 1.5	Medium curing maker coat resin, improved drying properties



## Coated abrasives

### Phenolic resins

Grade	Viscosity at 25°C mPas	Solids %	Water dilutability , 25°C %	Gel time 100°C min	Free Phenol %	Free Formaldehyde %	Application
PA 5540A	3100 - 3700 (20°C)	73 - 77	110 - 300 (20°C)	30 - 38	< 5	c. 1	Fast curing and low monomers especially for size coat
PA 5567A	1800 - 2500	71 - 76	100 - 300	22 - 32	< 3	< 1.5	High reactivity and low monomers. For both maker and size coat.
PA 5578A	800 - 1 200 (20°C)	75 - 78	30 - 60 (20°C)	24 - 30	c. 18	< 0.5	Medium curing. Especially for size coat.
PA 5579A	1200 - 1800 (20°C)	74 - 78	150 - 350 (20°C)	25 - 35	c. 12	< 0.5	Medium curing maker coat resin, improved drying properties.
PA 5592A	1600 - 2200	73 - 77	c. 100	25 - 35	< 4	< 1.5	Fast curing and good adhesion against the backing.
PA 5629A	900 - 1600	73 - 78	> 400	45 - 55	c. 5	c. 1	Medium reactivity, excellent drying properties suitable for maker coat.
PA 5640A	700 - 1200	70 - 74	400 - 700	40 - 50	< 4	< 0.1	Maker coat resin with good film formation and excellent drying properties.
PA 5646A	600 - 1100	69 - 73	200 - 400	40 - 50	< 3	< 1	Medium reactivity, excellent drying properties and is especially suitable for size coat.
PA 5647A	800 - 1200	72 - 76	200 - 400	40 - 50	< 5	c. 1	Medium reactivity, excellent drying properties and is especially suitable for size coat.
PA 5648A	1900 - 2500	76 - 80	250 - 450	35 - 45	c. 10	c. 1	High reactivity, excellent drying properties and is especially suitable for maker coat.
5654A	2000 - 3000	75 - 80	250 - 500 (20°C)	30-40	c. 7	< 1	Medium reactivity, excellent drying properties suitable for maker coat.
5655A	600 - 1200	73 - 76	> 1000	30-40	c. 3	c. 2.5	Very high water dilutability, excellent for mixing together with latex or acrylates
PA 5668A	2700 - 4000 (20°C)	76 - 82	100 - 300	60 - 70	c. 9	c. 0.5	Medium reactivity, use as maker and size coat.



## Coated abrasives

### Phenolic resins

Grade	Viscosity at 25°C mPas	Solids %	Water dilutability , 25°C %	Gel time 100°C min	Free Phenol %	Free Formaldehyde %	Application
PA 5671A	2700 – 4000 (20°C)	76 - 80	100 - 300	58 - 68	c. 10	c. 0.5	Medium reactivity, use as maker and size coat Universal use for papers and fabrics backings.
PA 5687A	1100 - 1400 (20°C)	73 - 77	300-550 (20°C)	30 - 36	< 10	c. 1	Medium reactivity, excellent drying properties suitable for maker coat
PA 5689A	1800 - 2400	76-79	c.80	28-38	c. 3.5	c. 2.0	Fast curing and good adhesion against the backing.
PA 5695A	1600 – 2300 (20°C)	71 -76	> 140	40 - 50	c. 3	< 1.0	Medium reactivity, excellent drying properties suitable for maker coat
PA 5806A	1300 - 2000	74 - 78	c. 170	35 - 45	c. 3	c. 1.5	Flexiblized, fast curing and good adhesion against the backing.
PA 5811A	1800 – 2300	74-78	c. 100	28-38	c. 3	c. 1	Very fast curing maker coat resin.
PA 5813A	600 - 1000	68 - 72	300 – 600	40 - 50	< 4	< 0.5	Medium curing and low monomers especially for size coat.

### Hardeners for phenolic resins

Grade	Density g cm <sup>-3</sup>	Recommended addition %	pH	Storage time at 25°C	Application
PA 9700F	c. 1.25	2 - 6	c.1	> 12 months	Standard hardener, high reactivity
PA 3295A	c. 1.2	2 - 6	c. 6.5	> 12 months	Resorcinol hardener, high reactivity

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