

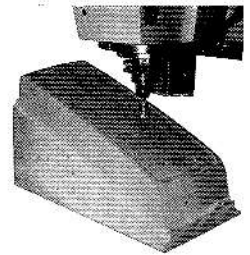
NECURON blockmaterials

PUR-based, for production of master patterns and copies. Convenient machinability with standard tools, physiologically harmless, no dust emission, high edge stability and surface quality, absolutely homogeneous structure.

Use allowed for patterns, fixtures and tooling jigs in automotive industries!

Board- and blockmaterial for modelling purposes

Material	Necupur 100	Necupur 250	Necupur 301	Necuron 480	Necuron 600	Necuron 651	
Colour	beige	beige	beige	apricot	white	red brown	
Applications	styling, trial-, conceptional- and architectural models, drawing assemblies			styling & master mod., wind channel & architectural mod.	architectural or design models	master, cubing & trial models, patterns	
	milling program tests, back filling, substructures for hard-styling-clay		wind channel and design models				
Properties	Especially easy processing		finer structure – homogeneous surface		may be varnished	fine structure, good edge stability	
Heat deflection temperature (°C)	80	80	80	65 – 75	75	80	
Coefficient of thermal expansion (10 ⁻⁶)	30 – 40	30 – 40	50 – 55	45 – 50	55	45 – 48	
Shore D	n. a.	n. a.	35 – 40	48 – 53	50	50 – 60	
Compr.stgrth. (N/mm ²)	2	4,5	5	16	25	33	
Flexural stgrth. (N/mm ²)	1,5	4	6	13	25	30	
Density (g/cm ³)	0,1	0,23	0,3	0,48	0,67	0,7	
Dimensions (mm)/ Item No..	1000 x 1000 x 50	1000 x 1000 x 50	1000 x 1000 x 50	1500 x 400 x 100	1500 x 500 x 50	1500 x 400 x 25	1500 x 500 x 50
	954.301	954.401	954.501	954.601	954.701	954.004	954.010
	1000 x 1000 x 100	1000 x 1000 x 100	1500 x 400 x 100	1500 x 500 x 50	1500 x 500 x 75	1500 x 400 x 50	1500 x 500 x 75
	954.303	954.402	954.503	954.602	954.702	954.005	954.011
	2000 x 1000 x 100	1000 x 1000 x 350	1500 x 500 x 50	1500 x 500 x 100	–	1500 x 400 x 75	1500 x 500 x 100
	954.302	954.403	954.505	954.603	–	954.006	954.012
–	2000 x 1000 x 100	1500 x 500 x 100	–	–	1500 x 400 x 100	–	
–	954.404	954.504	–	–	954.007	–	
Remarks	Adhesive K8	Adhesive K8	Adhesive K8	Adhesive K8 Putty S-11	Adhesive K8	Adhesive K8 Putty S8	



Board- and blockmaterial for tooling applications, fixtures and jigs

Material	Necuron 700	Necuron 800	Necuron 1001	Necuron 1007	Necuron 1300
Colour	light grey	brown	grey	ivory	red
Applications	Laminating models & laminating tools, draw dies	Master models, foundry models, cores, fixtures (jigs)	Tooling jigs, fixtures, trial models, flanging tools, foundry models, bath models for galvano	Laminating models, tools for serial production of small batch sizes, trial models, draw die moulds, fixtures & jigs	Foundry assemblies for hand & machine forming, sheet metal forming & drawing tools, hammer form tools
Properties	high heat resistance	very fine structure, high edge stability		high heat deflection temperature, high edge stability, very fine structure	very high abrasive resistance, high compressive & flexural strength
Heat deflection temperature (°C)	110	85	80	85 – 90	75
Coefficient of thermal expansion (10 ⁻⁶)	40	42	45 – 55	45	55 – 65
Shore D	65 – 70	73	82	82	80
Compr.stgrth. (N/mm ²)	32 – 35	55	65 – 70	75 – 80	85 – 90
Flexural stgrth. (N/mm ²)	25 – 30	60	80 – 85	65 – 70	100 – 105
Density (g/cm ³)	0,57	0,85	1,10	1,2	1,15
Dimensions (mm)/ Item No.	1520 x 600 x 50	1200 x 400 x 50	1200 x 400 x 50	1200 x 400 x 50	800 x 400 x 50
	954.051	954.101	954.201	954.231	954.221
	1520 x 600 x 100	1200 x 400 x 75	1200 x 400 x 75	1200 x 400 x 75	800 x 400 x 75
	954.052	954.102	954.202	954.232	954.222
	–	1200 x 200 x 100	1200 x 200 x 100	800 x 400 x 100	800 x 400 x 100
	–	954.103	954.203	954.233	954.223
Remarks	Adhesive K 8T	Adhesive K8 Putty S8	Adhesive K8	Adhesive K8 T	Adhesive K8

Adhesive NECURON

2-comp. adhesive, epoxy based for NECURON and NECUPUR materials. Pot life ab. 10 min., clamping time for fundamental formulation ab. 5 hours, may be reduced by heating.

Item No.	Type	Colour	Remark	Cont.
954.801	K 8	transparent	for all NECUPUR and NECURON materials	2 kg
954.802	K 8T	transparent	esp. for NECURON 700 and 1007, for production of laminating models and draw dies	1,2 kg

Putty NECURON

2-comp. hard-putty, epoxy based for NECURON and NECUPUR materials. Pot life ab. 20 min., clamping time for fundamental formulation ab. 3 to 4 hours, which may be reduced by heating.

Item No.	Type	Colour	Remark	Cont.
954.851	S 8	redbrown	for all NECURON and NECUPUR materials	1,6 kg
954.852	S 11	yellow orange	esp. for NECURON 480	1,6 kg