



NECUMER
SOLID SOLUTIONS

NECURON®

**HIGH PERFORMANCE
BOARD AND CUSTOM-
CAST MATERIALS FOR
MODERN MODELLING
AND TOOLING**

www.necumer.de

APPLICATION AREAS

The extensive NECURON® portfolio provides the right material for every stage of modelling, prototyping, and tooling.

In modelling, NECURON® is ideal for architectural and design models, styling and data control models, program test milling models, as well as master and copy models.

For tooling and pattern production, NECURON® can be used to create metal bending and stretch tools, foundry patterns, core boxes, laminate moulds, and jigs and fixtures.



**ENGINEERED FOR EVERY
APPLICATION,
BUILT FOR PRECISION.**

KEY ADVANTAGES

- Market-leading range of dimensions
- Outstanding dimensional and edge stability
- Strong and instant adhesion
- Safe and non-hazardous materials
- Low dust generation



PROVEN PERFORMANCE

NECURON® boards maintain precise dimensions and edge stability while absorbing very little moisture, minimizing the risk of swelling or distortion.

They leave a smooth, homogeneous surface after machining, ready for finishing or bonding.

Stored flat and dry, boards retain their shape over time, ensuring reliable, long-term performance for every project.

NECURON® - APPLICATION AREAS, TECHNICAL DATA, AND ADHESIVES

NECURON®	COLOUR	STYLING	CHECKING	FOUNDRY	MASTER MODEL	TOOLING	DENSITY (g/cm³)	COEFFICIENT OF THERMAL EXPANSION (10 ⁻⁶ /K)	TEMPERATURE RESISTANCE (°C)	COMPRESSIVE STRENGTH (MPa)	SHORE D	FLEXURAL STRENGTH (MPa)	MODULUS OF ELASTICITY (MPa)	ABRASION RESISTANCE (mm³)	STANDARD DIMENSIONS (mm)	NECURON® ADHESIVE(K)
100	 beige	•					0.10	65	120 - 125	0.90	-	1.3	-	-	1000 x 1000 x 50/100 2000 x 1000 x 100	K0
140	 beige	•					0.14	65	120 - 125	1.70	-	2.65	-	-	1000 x 1000 x 50/100 2000 x 1000 x 100	K0
200	 beige	•					0.20	65	120 - 125	2.70	-	3.0	-	-	1000 x 1000 x 50/100 2000 x 1000 x 100	K0
301	 beige	•					0.325	40	65 - 70	5	40	6	-	-	1500 x 500 x 50/75/100/150	K0
450	 apricot	•			•		0.48	40	65 - 70	13	55	16	-	-	1500 x 500 x 50/75/100/150/200	K0 / K8N
540	 brown	•	•	•	•		0.55	40	70 - 75	20	63	20	-	-	1500 x 500 x 50/75/100/150	K6 / K8N
600	 white	•					0.65	60	65 - 70	22	60	23	-	-	1500 x 500 x 50/75	K0 / K8N
620	 brown	•		•	•		0.62	45	75 - 80	24	68	27	-	-	1500 x 500 x 50/75/100/150	K6 / K8N
651	 brown	•	•	•	•	•	0.70	40	75 - 80	26	70	30	-	-	1500 x 500 x 50/75/100/130/150/200 1500 x 600 x 50/75/100/150	K6 / K8N
680	 grey		•			•	0.70	35	105 - 110	34	70	30	-	-	1500 x 500 x 50/75/100	K7S
730	 blue					•	0.80	29	130 - 135	57	75	33	2.510	-	1500 x 500 x 50/75/100/150	K7S
770	 grey	•	•	•	•		0.77	51	75 - 80	29	72	33	-	-	1500 x 500 x 50/75/100/150	K0 / K8N
800	 ivory		•	•			1.00	45	75 - 80	46	80	61	1.670	-	1000 x 500 x 50/75/100/150 1500 x 500 x 50/75/100	K0 / K8N
840	 grey					•	1.00	38	130 - 135	52	80	57	-	-	1000 x 500 x 50/75/100	K7S
1001	 grey		•	•	•		1.20	50	80 - 85	75	83	75	2.805	340	1000 x 500 x 50/75/100	K0 / K8N
1007	 ivory		•	•	•	•	1.20	48	85 - 90	75	85	72	2.400	340	1000 x 500 x 50/75/100/150 1500 x 500 x 50/75/100	K0 / K8N
1020	 blue		•	•		•	1.18	65	75 - 80	88	82	97	2.679	340	1000 x 500 x 50/75/100	K0 / K8N
1050	 green			•		•	1.15	65	70 - 75	82	82	81	2.730	320	1000 x 500 x 50/75/100	K0 / K8N
1060	 green			•		•	1.27	43	95 - 100	100	84	107	2.750	280	1000 x 500 x 50/75/100	K0 / K8N
1300	 red			•		•	1.10	65	75 - 80	87	80	92	2.275	240	1000 x 500 x 50/75/100	K8N / K13

All technical parameters are approximate and should not be used as specifications. For current technical information, visit www.necumer.de.



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