

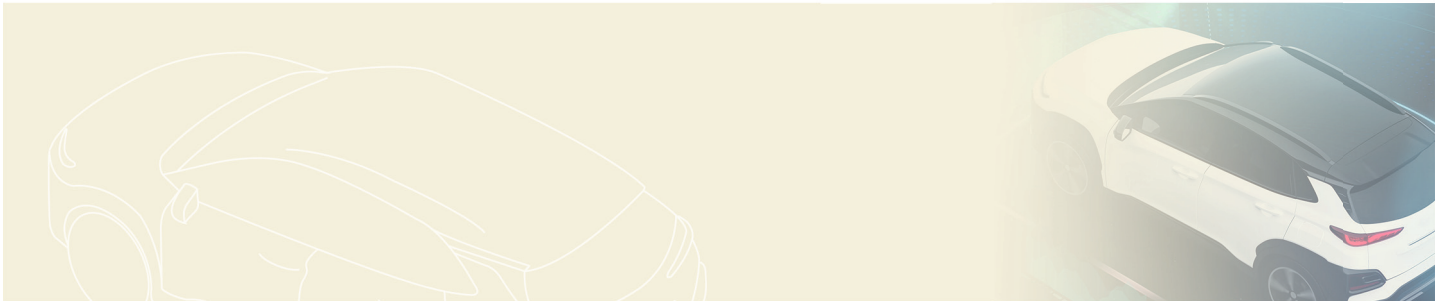
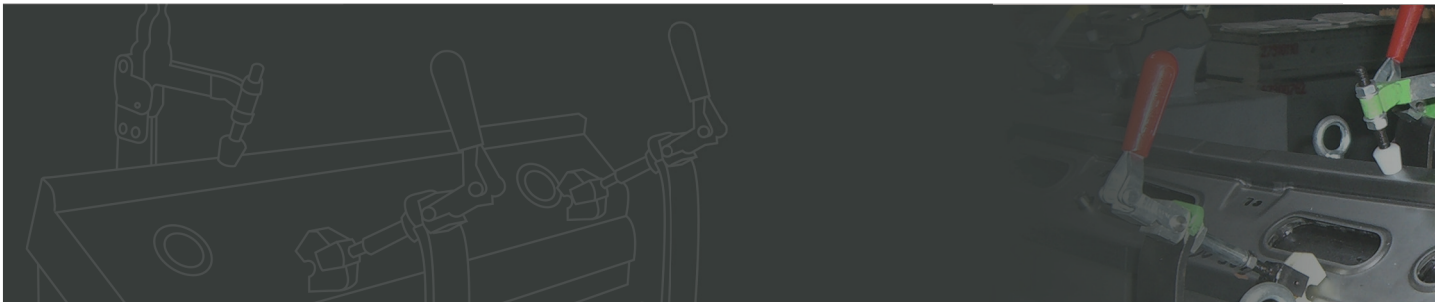


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NECURON® - Worldwide Sales Partner Network



NECURON® - BOARD, BLOCK AND CUSTOM-CAST MATERIAL FOR  
MODELING, TOOLING, PATTERNS, FIXTURES AND JIGS



„Our block materials are as diverse as your applications.“

APPLICATION AREAS

The extensive NECURON® assortment offers the appropriate material for every area of modeling and prototyping, jig and fixture production as well as for making tools, patterns and moulds. Typical modeling applications include for example architectural models, cubing and data control models, program test milling models, styling and design models as well as master and copy models.

In tool making, NECURON® can be applied to make metal bending and stretch tools, foundry patterns, core boxes, laminate moulds, jigs and fixtures.

PHYSICAL PROPERTIES

NECURON® products have been developed to leave an extremely homogenous high quality surface structure after machining. The products are dimensionally stable, have high edge stability and absorb very little moisture. When stored dry and flat the boards can be warehoused for a long time without any shrinkage.

YOUR ADVANTAGES

- The right product for every application
- Excellent chipping whilst machining
- Low dust emissions
- Pleasant machining properties with ordinary cutters
- Splitter-free machining
- Low odour emissions
- Non-hazardous
- Contains no abrasive fillers therefore low wear on cutting tools
- Suitable for high speed machining



NECURON® - APPLICATION AREAS, TECHNICAL DATA AND ADHESIVES

| NECURON® | Colour                                                                              | Styling | Checking | Foundry | Master model | Tooling | Density (g/cm³) | Coefficient of thermal expansion (10 <sup>-6</sup> K <sup>-1</sup> ) | Temperature resistance (°C) | Compressive strength (N/mm²) | Shore D | Flexural strength (N/mm²) | Modulus of elasticity (MPa) | Abrasion resistance (mm³) | (Standard-) Dimensions (mm)                                  | NECURON® Adhesive(K) |
|----------|-------------------------------------------------------------------------------------|---------|----------|---------|--------------|---------|-----------------|----------------------------------------------------------------------|-----------------------------|------------------------------|---------|---------------------------|-----------------------------|---------------------------|--------------------------------------------------------------|----------------------|
| 100      |  | •       |          |         |              |         | 0.10            | -                                                                    | -                           | 1.00                         | -       | 1.6                       | -                           | -                         | 1000 x 1000 x 50/100<br>2000 x 1000 x 100                    | K0                   |
| 160      |  | •       |          |         |              |         | 0.15            | -                                                                    | -                           | 1.60                         | 9       | 2.2                       | -                           | -                         | 1000 x 1000 x 50/100<br>2000 x 1000 x 100                    | K0                   |
| 250      |  | •       |          |         |              |         | 0.25            | 65                                                                   | 60                          | 3.60                         | 23      | 5.1                       | -                           | -                         | 1000 x 1000 x 50/100<br>2000 x 1000 x 100                    | K0                   |
| 301      |  | •       |          |         |              |         | 0.325           | 40                                                                   | 62                          | 5                            | 40      | 6                         | -                           | -                         | 1500 x 500 x 50/75/100/150                                   | K0                   |
| 450      |  | •       |          |         | •            |         | 0.48            | 40                                                                   | 60                          | -                            | 55      | -                         | -                           | -                         | 1500 x 500 x 50/75/100/150/200                               | K0 / K8N             |
| 480      |  | •       |          |         | •            |         | 0.48            | 40                                                                   | 65                          | 12                           | 54      | 15                        | -                           | -                         | 1500 x 500 x 50/75/100/150                                   | K0 / K8N             |
| 540      |  | •       |          | •       | •            |         | 0.55            | 40                                                                   | 65                          | 20                           | 63      | 20                        | -                           | -                         | 1500 x 500 x 50/75/100/150                                   | K6 / K8N             |
| 550      |  | •       |          |         |              |         | 0.55            | variable                                                             | 100                         | 7.1                          | -       | 4.5                       | 30                          | -                         | 2440 x 1220 x 50                                             | K0 / K8N             |
| 600      |  | •       |          |         |              |         | 0.65            | 60                                                                   | 60                          | 22                           | 60      | 23                        | -                           | -                         | 1500 x 500 x 50/75                                           | K0 / K8N             |
| 601      |  | •       |          |         | •            |         | 0.64            | 45                                                                   | 50                          | 21                           | 59      | 36                        | -                           | -                         | 1500 x 500 x 50/75/100                                       | K6 / K8N             |
| 620      |  | •       |          |         | •            |         | 0.62            | 45                                                                   | 65                          | 24                           | 68      | 27                        | -                           | -                         | 1500 x 500 x 50/75/100/150                                   | K6 / K8N             |
| 651      |  | •       |          |         | •            |         | 0.70            | 40                                                                   | 68                          | 26                           | 70      | 30                        | -                           | -                         | 1500 x 500 x 50/75/100/130/150<br>1500 x 600 x 50/75/100/150 | K6 / K8N             |
| 690      |  |         | •        |         |              | •       | 0.70            | 35                                                                   | 105                         | 34                           | 70      | 30                        | -                           | -                         | 1500 x 500 x 50/75/100                                       | K75                  |
| 702      |  |         |          |         |              | •       | 0.79            | 30                                                                   | 140                         | 57                           | 74      | 35                        | -                           | -                         | 1500 x 500 x 50/75/100                                       | K75                  |
| 720      |  |         |          |         |              | •       | 0.73            | 30                                                                   | 170                         | -                            | 73      | -                         | -                           | -                         | 1500 x 500 x 50/75/100                                       | -                    |
| 770      |  | •       |          |         | •            |         | 0.77            | 51                                                                   | 70                          | 29                           | 72      | 33                        | -                           | -                         | 1500 x 500 x 50/75/100/150                                   | K0 / K8N             |
| 800      |  |         | •        |         |              |         | 1.00            | 45                                                                   | 72                          | 46                           | 80      | 61                        | 1,670                       | -                         | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 840      |  |         |          |         |              | •       | 1.00            | 38                                                                   | 130                         | 52                           | 80      | 57                        | -                           | -                         | 1000 x 500 x 50/75/100                                       | K75                  |
| 1001     |  |         | •        |         | •            |         | 1.20            | 50                                                                   | 75                          | 75                           | 83      | 75                        | 2,605                       | 340                       | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 1004     |  |         | •        |         | •            |         | 1.15            | 50                                                                   | 75                          | 75                           | 85      | 99                        | 2,255                       | 255                       | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 1007     |  |         | •        |         | •            |         | 1.20            | 48                                                                   | 85                          | 75                           | 85      | 72                        | 2,400                       | 340                       | 1000 x 500 x 50/75/100/150                                   | K0 / K8N             |
| 1020     |  |         | •        |         |              | •       | 1.18            | 65                                                                   | 70                          | 88                           | 82      | 97                        | 2,679                       | 340                       | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 1050     |  |         |          | •       |              |         | 1.15            | 65                                                                   | 70                          | 82                           | 82      | 81                        | 2,730                       | 320                       | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 1060     |  |         |          | •       |              |         | 1.27            | 43                                                                   | 93                          | 100                          | 84      | 107                       | 2,750                       | 280                       | 1000 x 500 x 50/75/100                                       | K0 / K8N             |
| 1300     |  |         |          | •       |              |         | 1.10            | 65                                                                   | 70                          | 87                           | 80      | 92                        | 2,275                       | 240                       | 1000 x 500 x 50/75/100                                       | K8N / K13            |

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum. All technical parameters are approximate values. Please refer to our website [www.necumer.de](http://www.necumer.de) for current data.