

Laminate



COUNTERFLEX

- **Special quality for counter plates with very good machinability**
- **Wear resistant mill edges guarantee long durability**
- **Close tolerances**
- **Good plan parallelism**
- **Removable for repeated use**

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	330	ISO 178
E-modulus	MPa	6500	ISO 178
Tensile strength	MPa	170	ISO 527
Physical properties			
Density	g/cm ³	1.40 - 1.70	ISO 1183
Water absorption (24h, 23°C)	mg/%	<20 / 0.8	ISO 62

*Values measures on 0,8 mm thickness

Description

Counterflex is composed of a special phenolic paper core and fine glass epoxy outer layers. One side is coated by a special self-adhesive film.

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (RoHS-directive), annex II and amendment 2015/863/EU are not used as ingredients in this material.

Color

Brown

Applications

Counter plates for cutting die technology

Form of delivery

Sheet formats 1070 x 1070 mm
Size tolerance + 0 / - 30 mm

Thickness range 0.4 to 1.2 mm
Thickness tol. ± 0.03

Also available as panels or machined parts.
Other thicknesses on request

Processing

Machining with carbide and diamond tools.

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.

VRI Composites custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

VRIR 03/2026