

## mica products

### Rigidiso® EMG RI 40514

**Application:** Rigidiso® EMG RI 40514 is a hard, dense, firm mica sheet and is applied for electrical motors and commutators (collectors). Rigidiso® EMG RI 40514 sheets offer exceptional mechanical and electric properties. Rigidiso® EMG RI 40514 sheets can be manufactured with specific measurements upon customer request.

**Components:** Rigidiso® EMG RI 40514 is made with a minimum muscovite content of 90% which is impregnated with a specially developed epoxy resin.

**Delivery forms:** Rigidiso® EMG RI 40514 is available in a thickness of 0,2 – 2,0 mm with dimensions of 1000 mm width and 600/1200 mm length or as stripe or die-cut part. Other delivery forms upon customer request.

Properties	Test method	Unit	Value
Mica content	IEC 60371-2	%	Min. 90
Binder content (Epoxy resin)	IEC 60371-2	%	8-10
Raw density	IEC 60371-2	g/cm <sup>3</sup>	2,25-2,4
Compressibility			
Ce-elastic	IEC 60371-2	%	<2,5
Cp-plastic			<2,5
Bending strength	IEC 60371-2	MPa	>300
Flexural modulus	IEC 60371-2	MPa	>80.000
Exudation resistance		°C	300
Breakdown strength		kV/mm	>20
Tracking resistance	IEC 60112	V	>500
Arc resistance	ASTM D 495	s	4

Dr. Dietrich Müller GmbH

## Rigidiso® EMG RI 40514

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**Trademark information:** Rigidiso® is a registered trademark of company Dr. Dietrich Müller GmbH, Germany.

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**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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Dr. Dietrich Müller GmbH