Dr. Dietrich Müller GmbH
Zeppelinring 18
D-26197 Ahlhorn

Tel.: +49 (0) 44 35 - 97 10 10
Fax: +49 (0) 44 35 - 97 10 11
Info@mueller-ahlhorn.com

Electrical insulation materials

Nomex® Type 992 | FI 15025

Composition:

Nomex® Type 992 | FI 15025 is made of synthetic, aromatic polyamide-polymers which consist of flocs and fibrids which are highly densified during calandaring process.

Properties:

Nomex® Type 992 | FI 15025 qualifies by good electrical, chemical and mechanical properties in a wide temperature area. Nomex® Type 992 | FI 15025 is radiation, acid, alkali and solvent resistant as well as self-extinguishing. Furthermore Nomex® Type 992 | FI 15025 is very well compatible with different industrial oils, resins, adhesives, cooling agents, inks, colours, laminates and metal coatings.

Applications:

Nomex® Type 992 | FI 15025 is mainly used in the electronic industry for example as gasket or packaging material as well as noise and vibration damper.

Delivery forms:

Nomex® Type 992 | FI 15025 can be delivered as die-cut parts, components, cuts or sheets. Please contact us for further details. Nomex® Type 992 | FI 15025 can be delivered in the thicknesses of 1.6 or 3.2 mm.

Dr. Dietrich Müller GmbH
Zeppelinring 18
D-26197 Ahlhorn

Tel.: +49 (0) 44 35 - 97 10 10
Fax: +49 (0) 44 35 - 97 10 11
Info@mueller-ahlhorn.com

Nomex® Type 992 | FI 15025

Properties	Unit	Value
Temperature area	°C	-196 up to +300
Thickness	mm	1.6
Basic weight 1.6 mm thick	g/m²	810
Specific weight	g/cc	0.52
Tensile strength machine direction	N/cm	352
Tensile strength cross direction	N/cm	288
Tensile strength machine direction	N/cm²	2200
Tensile strength cross direction	N/cm²	1800
Elongation machine direction	%	9.1
Elongation cross direction	%	9.4
Limiting oxygen index at 25°C	%	39
Limiting oxygen index at 220°C	%	39
Thermal conductivity 150°C	W/mK	0.066
Rapid rise AC	kV/mm	16
Full wave impulse	kV/mm	27
Dielectric constant at 60 Hz	-	1.7
Dissipation factor at 60 Hz	$x10^{-3}$	10
Basic weight 3.2 mm thick	g/m²	1630

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.