Vyncolit® E 8901A

Epoxy; Epoxide

Vyncolit N.V.

Message:

E 8901A is an iron and mineral filled epoxy molding compound with good electrical insulating properties and soft magnetic properties. This compound is suitable for molded inductors and the shielding of inductors or other electronic devices.

General Information	
Filler / Reinforcement	Mineral filler Iron
Features	Good electrical performance Soft
Uses	Electrical components Electronic insulation
Appearance	Black
Forms	Particles
Processing Method	Resin transfer molding Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.25	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.40	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	58.0	MPa	ASTM D638
Flexural Modulus	15000	MPa	ASTM D790
Flexural Strength (Break)	102	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	20	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE - Flow	2.2E-5	cm/cm/°C	ASTM E831
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength [1]	4.9	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	6.00		ASTM D150
Dissipation Factor (1 MHz)	0.013		ASTM D150
Arc Resistance	120	sec	ASTM D495

Additional Information
Powder Density, ASTM D1895: 0.95 g/cm³Water Absorption, ASTM D570, 48 hrs, 50°C: 0.15%Dielectric Strength, ASTM D149, 60 Hz, Method A, dry: 4.9 kV/mmDielectric Constant, ASTM D150, 1000000 Hz, wet: 6Dissipation Factor, ASTM D150, 1000000 Hz, wet: 0.013

NOTE	
1.	Method A (short time)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China