ELANTAS
Electrical Insulation

Product Information

Epoxylite® 8210

2 Component Epoxy Putty

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Epoxylite® 8210

Description:

Two component, cold setting, epoxide putty which cures to give a tough, chemical and moisture resistant Class H compound. Material has excellent bond strength to most substances.

Application:

General purpose balancing / sealing putty.

Processing:

Epoxylite® 8210 has a yellow coloured resin and blue coloured hardener. Uniform satisfactory mixing by hand of equal amounts of both parts will produce a uniform green colour.

Material is normally applied by hand or spatula.

Properties:

	Resin	Hardener	Mixture	
Appearance	Yellow	Blue	Green	
Viscosity	Putty	Putty	Putty	mPas @ 25ºC
Specific Gravity	2.00	2.00	2.00	g / cm³
Mix Ratio	Resin to Hardener 1 : 1			p.b.w.
Mix Ratio	Resin to Hardener 1 : 1			p.b.v.
Gelation Time	5 – 15 minutes			@ 25ºC
Cure Schedule	2 – 3 hours			@ 25ºC
Flash Point	> 200			ºC

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Cured Properties		
Thermal Class		180º C
Shore D Hardness	(DIN 53505)	95 @ 25º C
Glass Transition Temp.	(IEC 1006)	100 º C
Tensile Strength	(ISO 527)	60 N / mm²
Elongation at Break	(ISO 527)	1.0 %
Thermal Coeff of Expansion	(DIN 53752)	$20.10^{-6}K^{-1}$
Thermal Conductivity	(ISO 8894-1)	0.77 W / mK
UL Recognition		
Water Absorption	(ISO 62)	0.12 % @ 23ºC
Dielectric Strength	(IEC 243-1)	200 kV / cm
Dielectric Constant	(IEC 250)	6.0 @ 50Hz
Dissipation Factor	(IEC 250)	15 % @ 50 Hz
Volume Resistivity	(IEC 93)	> 10^{14} ohm / cm
Comparative Tracking Index	(IEC 112)	> 600 Volts
Storage	Minimum storage life 24 months in tightly closed containers at temperatures below 25°C.	
Handling	Refer Material safety data sheet.	
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