



Product Data Sheet

Ultraseal Electroseal 40 Sealant

Electroseal 40 is a 100% reactive thermal impregnation sealant designed to seal leak paths in electrical/electronic components and cables. It is highly moisture resistant and has excellent flexibility to aid component installation and withstand vibrations in operation. In the cured state the sealant shows high resistance to industrial fluids such as motor oils and hydraulic fluids.

It offers all the process advantages of thermally cured sealant and impregnation process cycle times are typically 10 minutes.

General			
APPEARANCE	Clear pale straw liquid	ODOUR	Mild methacrylate
VISCOSITY <small>20°C Seta Zahn No 1</small>	32 - 34 seconds	S.G. <small>20°C</small>	1.005 - 1.015
FLASH POINT <small>Twin Pack (uncatalysed)</small>	96°C	GEL TIME at 90°C <small>0.8% DB42, degassed</small>	80 - 240 seconds
POT LIFE <small>Under normal operating conditions</small>	Indefinite	SHELF LIFE <small>Uncatalysed under normal storage conditions</small>	12 months
TEMPERATURE RANGE* <small>Cured phase</small>	-40 / 200°C	US MIL-I-17563C APPROVED	Yes

Typical properties of cured Electroseal 40	
Property	Typical value
AC breakdown/kv mm ⁻¹ (ASTM D-149) ¹	4.0
Dielectric constant at 100Hz (ASTM D-150)	25
AC breakdown/kv mm ⁻¹ (ASTM D-149) ¹	640

Chemical Resistance			
US MIL-I-17563C Test Conditions, Impregnated US MIL Test Rings, Test Pressure 50 psi			
Environment	Time	Temperature	Result
ENGINE OIL	14 days	150°C	No Leak
BRAKE FLUID	14 days	150°C	No Leak
ETHYLENE GLYCOL	14 days	25°C	No Leak
ETHYLENE GLYCOL	14 days	150°C	No Leak
HYDRAULIC FLUID A	14 days	100°C	No Leak
HYDRAULIC FLUID B	14 days	150°C	No Leak
UNLEADED PETROL	14 days	25°C	No Leak
WATER	14 days	100°C	No Leak

* 2mm thick sample ** 2mm thick sample, rather than 10mil

Benefits

- Excellent flexibility and sealing characteristics
- Prevents moisture ingress
- Purpose developed to seal leak paths in automotive electronic components and cables
- Impregnation cycle times of only 10 minutes

Find out more

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