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Glotrax Polymers Inc.

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Product Specification Sheet

ENVIROGEL™ SEALANT

ENVIROGEL™ SEALANT is an excellent sealant for use in many industrial, mechanical and electronic applications. Its shock dampening characteristics, as well as its dielectric and self healing properties make it perfect for use in hostile surroundings. It forms an environmental shield around anything it encases. It can be used as a potting compound to keep dirt and corrosion out of critical areas. It can be used as a sealant where periodic re-entry for inspections or repair is required. It stays gelatinous and reheals itself eliminating the need for repotting. It can be used to reinforce components to minimize fatigue on conductors due to vibration.

It is available in a full range of viscosity from very low to highly thixotropic. The thixotropic version stays put after it is applied to an object. The low viscosity gels work well as long as they are contained prior to curing.

Its hydrophobic properties cause it to repel water helping to keep the encased object clean, dry and corrosion free. It can be cured and used as a conformal cushion into which sensitive components may be imbedded for protection from corrosion and vibration. It can be used as a gasket in no or low pressure applications for sealing the contents of boxes and cabinets from the effects of corrosive atmospheric elements. It can also be used as an insulator between two close set conductors on low voltage applications.

ENVIROGEL™ SEALANT carries a variety of working lives with various degrees of thixotropy and can be tailored to specific applications.

For information regarding suitability for your application contact our Product Engineers at:

GLOTRAX INC. 1-905-344-1166.

Specifications

Cure Chemistry	Addition
Cure Type	Rt/Heat
Colour	Aqua
Number of Components	2
Mix Ratio (base to curing agent by weight)	1:1
Viscosity (yield point)	
at 22°C	160 Dynes /Cm2 Min
Specific Gravity at 22°C	0.98 ASTM D 70
<u>Cured Cone Penetration</u>	
at 22°C	105 ASTM D 1824 (1/4 cone)
<u>Dielectric Properties at 22°C</u>	
at 1 kHz	3.3 Max ASTM D 150
at 100 kHz	3.0 Max
<u>Power Factor</u>	
at 1 kHz	0.03 Max ASTM D 150
at 100 kHz	0.03 Max
Pot Life	Specific to each formulation

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