



PX439XS for the encapsulation of electronics used in sludge blanket detection settlement tanks

A leading manufacturer of online and portable water quality measuring equipment needed an encapsulating epoxy to protect the electronics in a sludge blanket detection settlement tanks.

A common requirement in the operation of sewage, wastewater and water treatment works is to find the location of the interface between the high solids region of a settlement tank, picket fence thickener or clarifier and the relatively lower solids region above.

Detecting the presence of the Sludge Blanket at a fixed level is one of the simplest ways of carrying out this control measurement.

The sludge blankets are designed and manufactured in Britain and the manufacturer uses PX439XS to ensure that the electronics are securely and protected from this harsh environment.

PX439XS is a rigid, thermally conductive epoxy resin with excellent heat resistance and dimensional stability.

Key features of PX439XS

- High electrical insulating characteristics
- High dimensional stability
- Low shrinkage
- Approved to UL94 V-0
- Excellent chemical & heat resistance
- Does not contain halogens or heavy metals



Technical Data for EL199HP

Applications	Power supplies Encryption devices Security encapsulation Deep sea electronics High voltage capacitors
Features	High electrical insulating characteristics High dimensional stability Low shrinkage Approved to UL94 V-0 Excellent chemical & heat resistance Doesn't contain halogens or heavy metals
Specific Gravity	1.96
Viscosity (Mixed mPa @ 25°C)	12500
Thermal conductivity (W/mK)	1.3
Shore hardness	90D
Operating Temperature	-60°C to +200°C
Approvals RoHS, WEEE & REACH compliant	YES

For the complete technical specification and health & safety sheet please visit our website www.robnor-resinlab.com