



EL199HP polyurethane for electronic potting for mechanical water metering devices



A leading Spanish company specialising in innovative smart metering solutions for water and gas meters is using EL199HP for potting electronic RFID transmitting data devices for mechanical water metering devices.

By using EL199HP they have solved the existing cure inhibition problems they experienced using silicone gel. EL199HP provides a lower cost effective solution and copes with all of the existing requirements they have. EL199HP also has the extra advantage of providing an integral solution with resin & dispensing equipment.

The key benefits of EL199HP include its good adhesion to ABS & FR4, low viscosity, low Hardness along with its high flexibility. EL199HP is also UL94-V0 compliant.

Other applications for EL199HP:

- Ferrite Cores
- Inductance Coils
- Glass Reeds
- Load Cells

Technical Data for EL199HP

Applications	Ferrite Cores Inductance Coils Glass Reeds Load Cells
Features	Non-toxic Low embedment stress High resistance to water Excellent insulation characteristics Flame retardant Low viscosity
Specific Gravity	1.34
Viscosity (Mixed mPa @ 25°C)	1700
Thermal conductivity (W/mK)	0.45
Shore hardness	32A
Operating Temperature	-55°C to +140°C
Approvals RoHS, WEEE & REACH compliant	YES

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