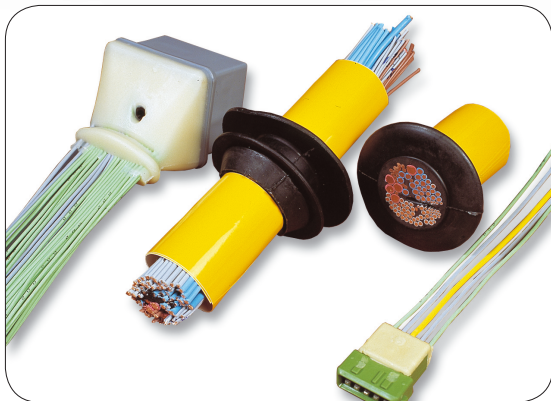


Protect Sensitive Microprocessors from Dirt & Moisture Polyurethane Provides an Airtight & Watertight Seal.



PU is the ideal material to replace hot melt. PU is a lower cost material and an excellent electrical insulator.



This application required a water-tight and air-tight seal up to 0.6 bar.



Daimler-Chrysler PUR Encapsulated Gear Box Wire Harness - Designed By Leoni. Complex 3-dimensional geometry for semi-automatic and automatic assembly provides exact configuration and location of connectors to reduce connection labor.

RIM Molding to encapsulate wire harnesses with polyurethane (PUR) is a new technology that has been embraced by the European wire harness industry.

This is not injection molding of TPUs. This is a reaction of two chemicals mixed by impingement and introduced into a mold cavity. Since the chemicals are in a fluid state, they completely coat and adhere to each of the wires for 100% encapsulation. As the chemicals react in the mold, they become a solid but flexible elastomer creating a 100% watertight and airtight seal.

Since the molding temperature is typically under 150°F, the chemicals will not deform housings.

RIM molding is an ideal process for both high and low volume production due to the low tooling costs compared to injection molding.

The popularity of RIM encapsulation has grown in Europe due to the low material cost of polyurethane compared to rubber. Isotherm AG is at the forefront of this technology with their introduction of highly accurate, small shot metering equipment.

Linden Industries is introducing this technology to the US market. Linden is responsible for the sales and service of Isotherm AG equipment in the US, Canada and Mexico.

ISO THERM

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