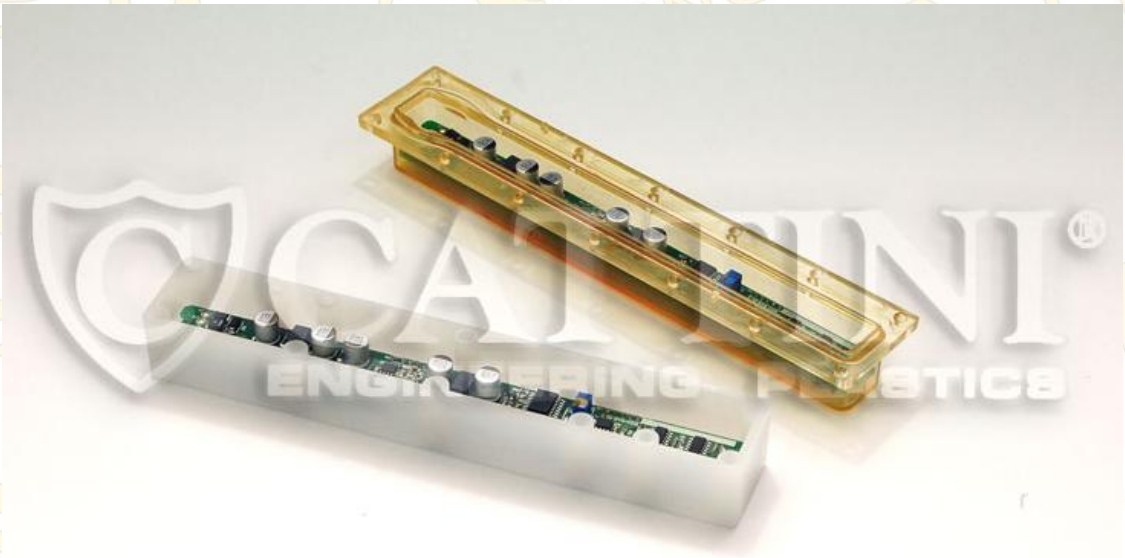
# LIQUID LEVEL SENSOR-1



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| **MOULDED MATERIAL** | PVDF |
| **FAMILY OF MATERIALS** | PVDF(POLYVINYLIDENE FLUORIDE) |
| **POLYMER'S FEATURES** | PVDF is a highly crystalline not reinforced fluoropolymer that combines good mechanical, thermal and electrical properties with an excellent chemical resistance. PVDF is a versatile material, with properties that make it particularly good for component production in the chemical, petrochemical, metal, food, paper, textile and nuclear industry.<br>**Main features :**<br>· Excellent chemical resistance to hydrolysis<br>· High toughness, also at low temperatures<br>· Good abrasion resistance and good sliding properties<br>· Physiologically inert (good for food contact)<br>· Good electrical isolating properties<br>· High resistance to UV-rays and weather conditions<br>· Low inherent flammability<br>· Good resistance to strong energy radiations (much better than the other fluoropolymers) |
| **APPLICATION FIELDS** | **AUTOMOTIVE**<br>Fuel piping: good strength to fuel permeation<br>Corrugated fittings: chemical resistance<br>Li-ion batteries: electro-chemical properties, mechanical properties (homopolymers), blowing in electrolytes (copolymers)<br>**HOUSING**<br>Curing compound membrane: good transparency<br>Architectural textile: surface properties, resistance to weather conditions<br>Chimney lining: high temperatures<br>Heating systems: better mechanical properties at 140 ° C<br>Solar panels: good transparency<br>Water pipe fittings: FDA / NSF 51/61<br>Accessories: better mechanical properties<br>**Chemical treatment**<br>Pumps, fibres: chemical resistance<br>Valves: the best in the mechanics<br>**SEMICONDUCTOR**<br>Piping: leachout Sematech<br>**WATER TREATMENT**<br>Membranes: chemical resistance<br>Filters: better mechanical properties |
| **SPECIAL NOTES** | Cattini Engineering Plastics is recommended by:<br>- SOLVAY Advanced Polymers : www.solvayadvancedpolymers.com - |