

PUMP BODIES



MOULDED MATERIAL	LCP
FAMILY OF MATERIALS	LCP (Liquid crystal polymer)
POLYMER'S FEATURES	<p>LCP (liquid crystal) polymer resin not only withstands the heat... it also excels in all-around performances and moulding processes. In comparison to ceramic, thermosettings and other PPS, LCP is better for downsizing parts, upgrading performances, accelerating production, reducing system costs and developing new markets. Among its properties and features, note:</p> <ul style="list-style-type: none"> – Resistance to electrical/electronic assembly high temperature: it withstands SMT assembly, included lead-free welding reflux. – Excellent aging and preservation of properties at high temperature. – Design freedom: outstanding long-term flow rate, with thin walls and complex shapes – Excellent chemical resistance – Inherently flame retardant – Precision: exceptional dimensional stability, low mould shrinkage, low thermal expansion. – Moulding speed: extra fast cycling. – Excellent stiffness balance, strength and toughness. – Outstanding creep resistance. – Superior dielectrics over a wide temperature range
APPLICATION FIELDS	<p>Wide range of components for electrical/electronics, lighting, telecommunications, auto ignition and fuel management, aerospace, fibre optics, motors, imaging devices, sensors, tableware, fuel or gas barrier structures and more.</p>
	<p>In this case, the body requires high dimensional stability and chemical resistance, low coefficient of friction, preparation of polymer processing machine tool and the application of metallic elements, resistance to repeated sterilization cycles, and compatibility with the polymer food sector.</p>
SPECIAL NOTES	