

ELLIPTICAL GEAR



MOULDED MATERIAL	LCP-Vectra
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 gear requires high dimensional stability and chemical resistance, resistance to repeated sterilization cycles, low coefficient of friction and compatibility of the polymer with the medical</p>
SPECIAL NOTES	