TYRE SENSOR-2

MOULDED MATERIAL	PEEK
FAMILY OF MATERIALS	PAEK ; PEEK ; PEK ; PEEEK ; PEKK ; PEKEKK (Polyariletherketone)
POLYMER'S FEATURES	VICTREX ® PEEK materials are based on the polyeteretherketone resin. This high technology semi crystalline thermoplastic has a unique combination of mechanical properties, temperature resistance and chemical resistance that make it the best known among the so called «advanced plastic materials». – High maximum usage temperature in the air (250°C continuous temperature, up to 310°C for short period) – High mechanical resistance, creep stiffness and hardness, also at high temperatures – Excellent chemical and hydrolysis resistance – Excellent friction and wear resistance – Good dimensional stability – Low intrinsic flammability and very low flue gas emission during the combustion process – Good dielectric properties and electrical isolation (except for carbon-filled PEEK) – Excellent resistance to strong energy radiations (gamma and X-rays) – In accordance to EU and FDA directives, concerning materials being in contact to food substances. These features, along with its excellent sterizability through steam, dry heat, ethylen oxide and gamma rays make this product particularly appreciated for medical, pharmaceutical and food applications.
APPLICATION FIELDS	Any fields where high performance polymers are needed, in this case the component of the sensor requires a minimum moisture absorption, high dimensional stability with temperature extremes, workability of the polymer forming ultrasonic, ultrasonic welding to other components of the polymer, surface finish to ensure air tightness
SPECIAL NOTES	Cattini Engineering Plastics is recommended by: - VICTREX® : http://victrex.com -