

TYRE SENSOR-3



MOULDED MATERIAL	PEEK
FAMILY OF MATERIALS	PAEK ; PEEK ; PEK ; PEEKK ; PEKK ; PEKEKK (Polyariletherketone)
POLYMER'S FEATURES	<p>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».</p> <ul style="list-style-type: none"> - 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 - Excellent 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. <p>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.</p>
APPLICATION FIELDS	<p>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</p>
SPECIAL NOTES	<p>Cattini Engineering Plastics is recommended by: - VICTREX® : http://victrex.com -</p>