

IMPELLER



MOULDED MATERIAL	PEEK-GF (fiber glass)
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 - 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.
APPLICATION FIELDS	Any fields where high performance polymers are needed, in this case the impeller requires high dimensional stability with temperature extremes, high mechanical strength at high temperatures, resistance to chemicals and hydrolysis, low thermal expansion
SPECIAL NOTES	<p>Cattini Engineering Plastics is recommended by:</p> <ul style="list-style-type: none"> - VICTREX® : http://victrex.com -