SCALPEL

MOULDED MATERIAL	PEEK-CA (Carbon charge)
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. Thanks to these last features - when referred to plastic materials used in contact with food - and its excellent sterilizability using steam, dry heat, ethylene oxide and gamma rays, this material is often used in medical, pharmaceutical and food applications.
APPLICATION FIELDS	Any fields where a high performance polymer is needed, in this case scalpel requires high dimensional stability, complex geometry with thin sections where a higher moulding strength is required, resistance to a wide temperature span, excellent superficial finish, high resistance to chemical products and aggressive environments.
SPECIAL NOTES	Cattini Engineering Plastics is recommended by: - VICTREX® : http://victrex.com -