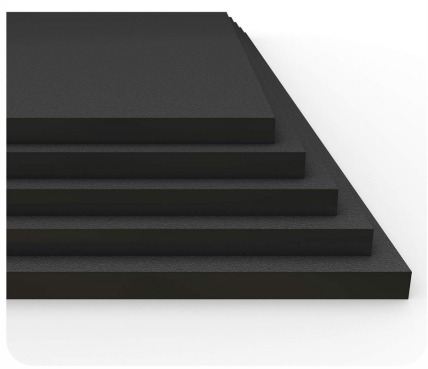
SOLID RODS | PLATES & SHEETS | HOLLOW PIPES | COMPONENTS

STEELOFABRICA

ENGINEERING & HIGH PERFORMANCE PLASTICS

PRODUCTS	DESCRIPTION / USES	RAW MATERIAL
STANDRAD PLASTICS		
POLYPROPYLENE (PP)	• Polypropylene is known for its excellent chemical resistance in corrosive environments. • This polymer is easily welded and machined. • USE:- Gears,plastic furtinure, cleaning products,manufacturing components etc.	
POLYVINYL CHLORIDE (PVC)	• PVC or Polyvinyl choloride is most widely used member of the vinyl family. • PVC generally comes in two forms i.e.Rigid form and flexible form . • Common applications include chemical processing tanks, valves, fittings, piping systems.	
PMMA (ACRYLIC)	• Acrylic is also know as PMMA (polymethyl methacrylate). • Acrylic rods , pipes and sheets are completely transparent and exihibit great resistance to breakage. • Acrylic materials withstand exposure to light from fluorescent lamps without darkening or deteriorating. • Uses:- car windows, smartphone screens, showpieces, aquariums etc.	
PE300 (HDPE)	• HDPE (high density polyethelene) offers excellent impact resistance , light weight , low moisture obsorptions and high tensile strength. • It is a non toxic and non staining material. • Uses:- plastic bottle, milk jugs, shampoo bottles, bleach bottles, cutting boards, and piping.	

APPLICATION INDUSTRIES:

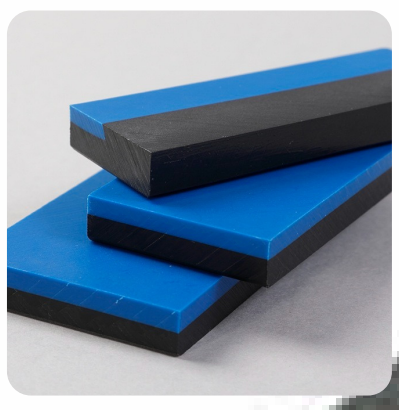
PRECISION COMPONENTS, OIL AND GAS AUTOMOBILE PARTS,MARINE INDUSTRY, PHARMACEUTICAL AND SURGICAL INDUSTRY, SEMICONDUCTOR INDUSTRY

SOLID RODS | PLATES & SHEETS | HOLLOW PIPES | COMPONENTS

STEELOFABRICA

ENGINEERING & HIGH PERFORMANCE PLASTICS

ENGINEERING PLASTICS

PRODUCTS	DESCRIPTION / USES	RAW MATERIAL
POLYMAIDE (NYLON)	• Nylon is know for its high tensile strength and modulus of elasticity. • The exceptional bearing and wear properties of nylon make it one of the most widely used plastics in the world. • Available in natural off white and black color. • Uses:- cranes sheaves, bearing pads ,bushes, roller, thrust washers, slides, guides, idle and drive sprockets, gears , wear strips and plates.	
POM(DELRIN)	• Derlin possesses high tensile strength, creep resistance and toughness. • Derlin has excellent load bearing qualities in both tension and compression. • They do not absorb a large amount of moisture and are resistant to a wide range of solvents. • Uses:- Pump and valve compnents, gears, bearings, bushing, rollers, fittings and electrical insulator parts.	
PET (POLYETHYLENE TEREPHTHALATE)	• PET has excellent sliding properties, very good wear resistance and in combination with its other properties,it is an excellent material for highly loaded sliding application. • Uses:- Packaging, fabrics, flims, electronics, right cosmetic jars, microwave container & other packaging applications,water bottles.	
PE 1000 (UHMW) (Polyethlene)	• UHMW (Ultra-high-molecular-weight polyethylene). • UHMW offers a combination of excellent properties: outstanding abrasion resistance, superior impact resistance, non sticking & self-lubrication properties. • Uses:- Chain gudies, Convey Belt Guides,cutting boards,profiles	

APPLICATION INDUSTRIES:

PLUMBING AND PIPING, RAILWAYS, PACKAGING BOTTLE INDUSTRY,CHEMICALS, LABORATORY PRODUCTS

SOLID RODS | PLATES & SHEETS | HOLLOW PIPES | COMPONENTS

STEELO FABRICA

ENGINEERING & HIGH PERFORMANCE PLASTICS

PRODUCTS	DISCRIPTION / USES	RAW MATERIAL
HIGH PERFORMANCE PLASTICS		
PEEK (POLYETHER ETHER KETONE)	• PEEK(Polyether ether ketone). • Peek offers high chemical & water resistance. • It can be used continuosly upto 250*c and in hot water or steam without permanent loss in physical properties. • Use:- bearing, piston parts, pumps, compressor plate valves, and electrical cable insulation.	
PVDF (POLYVINLIDENE FLUORIDE)	• PVDF(Polyvinylidene fluoride). • PVDF is one of the most stable and pure of all commerical plastics. • This is highly chemically resistant fluoropolymer and is used in items for corrosive fluid handling. • Uses:-Extrusion and injection molding to produce PVDF pipes, sheets, coating, films, and molded PVDF products, such as bulk containers.	
PTFE (POLYTETRA FLUORO ETHYLENE)	• PTFE(Polytetra fluoro ethylene). • PTFE is a self lubrication material that provides a low friction coefficient and is ideally suited for the manufacturing of corrosion resistant gaskets and seals. • Uses:- Gaskets, thread seal tape for plumbing, insulate cables and connector assemblies, bearing seals, lubricants etc.	
PC (POLYCARBONATE)	• Polycarbonate is an amorphous thermoplastic material with high impact strength, high modulus of elasticity, and dimensional stability. • Uses:- Room dividing sheet, safety glasses, bullet resistance, auto parts, electronics, agriculture products etc.	

APPLICATION INDUSTRIES:

ELECTRONIC GOODS, INDUSTRIAL MANUFACTURING, DEFENCE AND AEROSPACE, FOOD PROCESSING, HEAVY MACHINERY, GLASS AND WINDOW MANUFACTURING