

Material-Plastic	Rohs Certification Available	Density (g/cm3)	Colour	Characteristics	Limit Specs (mm)	Applications
ABS	Rohs Compliant	1.2	Black	General toughness, versatile material. Can be painted and plated, can use adhesives to bond. Temperature resistance between 70℃ and 80℃	1000*600*(20-90)mm	Automotive: Car Body, Wheel, Vent Pipe Electronic: Refrigerator, Air conditioner and others such as camera shell, handle
			Natural (yellow/off-white)		1000*2000*15 1000*2000*100mm	
			White		/	
			White	1000*600*(20-90)mm		
			Black			
Fire/flame Retardant ABS(UL 94 V0)						
POM/Derlin,Acetal	Rohs Compliant	2	Black	good toughness,can not be bonded or spray painted. Wear resistant	1000*2000*10 1000*2000*(15-25) 1000*500*(30-120)mm	Wheel gear, Bearing, Auto parts, Machine tools, Pipeline Valve, Faucet
	White		1000*2000*100 1000*500*1200mm			
Static Free POM	TBD		Black		/	
PMMA/Acrylic	Rohs Compliant	1.3	Transparent	crisp, good transparency, can be bonded and painted	1000*1300*1 /1.5/2/2.5mm	Instrument and apparatus, Indicator, Optical Lens, Transparent Pipeline, Appliances,
PC/Polycarbonate (Lexan)	TBD	1.2	Transparent	Crisp, average transparency, can be bonded and spray painted. temperature resistance to 120℃	1000*1000*(0.5-100)mm	Electronics: Switch, Appliances shell Automotive: Safety Lever, Distributer Camera, Helmet, Goggle
			Black			
Fire/flame Retardant PC(V0)	TBD		Black	/	/	
PC+ABS	TBD	/	Black	/	/	
PP/Polypropylene	TBD	1.1	Black	good toughness, can't be bonded or spray painted	1000*2000*(3-120)mm	Chemical Vessel, machinery, Electronics, Packaging, Medical industrials
			White			
High Density PP	TBD		Black			
PP+20%GF	TBD	/	Black	/	/	/
PP+GF	TBD		Black	/	/	/
PPS	TBD	1.3	Natural (Grey)	hard material, can be spray painted and is wear resistant, temperature resistance up to 200℃	1000*800*(15-55)mm	Automotive: Gearbox, Bearing Bracket, Exhaust System Machinery: Pump, Pump Pulley, Valve, Fan and so on
pps+30%GF	TBD	/	Black Grey	/	/	/
			Grey		/	
Bakelite/Woolen	TBD	2	Natural (Brown)	Good toughness, can't be bonded or spray painted. Temperature resistant up to 250℃	1000*1000*(0.5-2)/ 1000*2000*(30-50)mm	Silicon/Rubber button mold, Terminal Block and Mold Plate

Material-Plastic	Rohs Compliant	Density (g/cm3)	Color	Characteristics	Limit Specs (mm)	Application
Model Board/Epoxy Tooling board	TBD	/	/	Can be CNC Machined, smooth	/	Fixture, Gauge
Nylon/Polyamide	TBD	1.2	White	good toughness, can't be bonded or spray painted	1000*500*180 mm	Wear Parts, Transmit Structural components, Electric parts, Automotive components
			Black			
PA66/PA6		1.08-1.16	White			
			Black			
PA+15%GF		/	Black			
PA+20%GF		/	Black			
PA66+GF30		1.3	Black			
PE/Polyethylene	TBD	0.941-0.96	Black	Good Toughness, Tensile, Wear resistance	/	Medical parts, Cutting board, Sliding profiles, Agricultural irrigation
			White			
HDPE/High Density Polyethylene			Black			
			White			
LDPE/Low Density Polyethylene			Black			
			White			
PE+15%GF	TBD	/	White	/	/	/
PEEK/Polyetheretherketone	TBD	1.32	Natural (Grey)	Thermostable, Wear resistant, Corrosion resistance, high tensile, Hydrolysis resistance	/	Automotive accessories ,Gearbox Spacer, Seal Ring, Valve units, Skeleton
			Black			
PVC/ Polyvinyl Chloride	TBD	1.35-1.45	Grey	Waterproof, Acid-Base, Light weight, Heat preservation	/	Shoe Sole, Toy, Doors and windows, stationery
			White			
PBT	TBD	/	Black	Good Wear-resisting	/	Connector, Bobbin, Cooling Fan
PBT+30%GF	TBD	/	Black	/	/	/
PEI	TBD	1.38~1.42	Amber/Succinite	Good Stability, Chemical resistance	/	Sensor, Connector, Inner panel, handle, Artificial Limb
PET/Polyethylene terephthalate	TBD	1.39	White	Good Wear-resisting	/	Bearing, piston, screw
PTFE/Teflon	TBD	2.1-2.3	White	Anticorrosion, Anti-Aging, Isolation,	/	Seal/Gasket, Isolation devices