

Rebond

Plastic Material List

Material	Advantages	Manufacturing Process	Material	Advantages	Manufacturing Process
ABS (Acrylonitrile butadiene styrene)	Cosmetic appearance Dimensional stability Impact resistance	CNC Machining	PET (Polyethylene terephthalate)	Chemical resistance Stiffness Strength	CNC Machining
ABS		CNC Machining	Material	Advantages	Manufacturing Process
ABS-Flame Retardant		CNC Machining	PMMA (Arcylic)	Optical clarity Rigidity	CNC Machining
ABS + PC		CNC Machining	Material	Advantages	Manufacturing Process
HDPE (High-density polyethylene)	Durability Impact resistant Stiffness	CNC Machining	POM/Acetal/Derlin (Polyoxymethylene)	Chemical resistance	CNC Machining
Material	Advantages	Manufacturing Process	Material	Advantages	Manufacturing Process
PA (Nylon)	Rigidity Strength Temperature resistance	CNC Machining	PP (Polypropylene)	Chemical resistance Solvent resistance	CNC Machining
PA 6		CNC Machining	Material	Advantages	Manufacturing Process
PA 6+30%GF		CNC Machining	PPS (Polyphenylene sulfide)	Chemical resistance Temperature resistance	CNC Machining
PA 6/6		CNC Machining	PPS		CNC Machining
PA 6/6+30%GF		CNC Machining	PPS+GF		CNC Machining
Material	Advantages	Manufacturing Process	Material	Advantages	Manufacturing Process
PBT (Polybutylene terephthalate)	Chemical resistance Dimensional stability Low moisture absorption	CNC Machining	PPSU (Polyphenylsulfone)	Chemical resistance Flame resistance Impact resistance	CNC Machining
PBT		CNC Machining	Material	Advantages	Manufacturing Process
PBT+30% GF		CNC Machining	PSU (Polysulfone)	Corrosion resistance Mineral resistance Sterilizability Strength	CNC Machining
Material	Advantages	Manufacturing Process	Material	Advantages	Manufacturing Process
PC (Polycarbonate)	Dimensional stability Impact resistance	CNC Machining	PTFE/Teflon (Polytetrafluoroethylene)	Chemical resistance Flame resistance Temperature resistance	CNC Machining
PC		CNC Machining	Material	Advantages	Manufacturing Process
PC+20%GF		CNC Machining	PVC (Polyvinyl chloride)	Chemical resistance Corrosion resistance Flame resistance	CNC Machining
PC+30%GF		CNC Machining	Material	Advantages	Manufacturing Process
PEEK (Polyether ether ketone)	Chemical resistance Sterilizability Stiffness	CNC Machining	UHMW (Ultra High Molecular Weight Polyethylene)	Durability Flexibility	CNC Machining
Material	Advantages	Manufacturing Process	Material	Advantages	Manufacturing Process
PEI/Ultem (Polyetherimide)	Heat resistance Impact resistance Strength	CNC Machining			
Ultem 1000		CNC Machining			
Ultem 2300 (30% GF)		CNC Machining			

If you need any other material that not in above list, please contact us at sales@rebondtech.com directly