Periodic Table of Manufacturing Materials

Process
Service
Material Symbol
Material Name

IM	TP
	ABS
	Acrylonitrile Butadiene Styrene

Plastic

- CNC Machining
- Moulding: Thermoplastic (TP)
- Moulding: Thermoset (TS)
- 3D Printing: PolyJet (PJ)
- 3D Printing: Multi Jet Fusion (MJF)
- 3D Printing: Selective Laser Sintering (SLS)
- 3D Printing: Stereolithography (SLA)

Metal

- CNC Machining
- 3D Printing (DMLS)

CNC	**ABS**	Acrylonitrile Butadiene Styrene
CNC	**HDPE**	High-density Polyethylene
CNC	**PA 6**	Polyamide 6
CNC	**PC**	Polycarbonate
CNC	**PA 6/6**	Polyamide 6/6
CNC	**PEEK**	Polyether-etherketone
CNC	**PMMA**	Polymethyl Methacrylate
CNC	**PA 6-FR**	Polyamide 6 flame resistant
CNC	**PEI ULTEM®**	Polyetherimide
CNC	**POM-C**	Polyoxymethylene Cellulose Propionate
CNC	**PPSU**	Polyphenyl-sulfone
CNC	**PA 6 GF**	Acrylonitrile Butadiene Styrene
CNC	**PET**	Polyethylene Terephthalate
CNC	**POM-H**	Polyoxymethylene Hydroxypropionate
CNC	**PTFE**	Polytetra-fluoroethylene
CNC	**PA 6/6-GF**	Polyamide 6/6-Glass Filled
CNC	**PE-UHMW**	Ultra-high Molecular Weight Polyethylene
CNC	**POM-SD**	Polyoxymethylene Static Dissipative
CNC	**PVC**	Polyvinyl Chloride
CNC	**AL 6082**	Aluminum 6082
CNC	**AL 2024**	Aluminum 2024
CNC	**BR C464**	Brass C464
CNC	**CS EN8**	Carbon Steel EN8
CNC	**MS S275JR**	Mild Steel S275JR
CNC	**SS 316**	Stainless Steel 316
CNC	**AL 7075**	Aluminum 7075
CNC	**AL 5083**	Low-carbon Steel 1018
CNC	**BR C360**	Brass C360
CNC	**CU 101**	Copper C101
CNC	**SS 304**	Stainless Steel 304
CNC	**SS 17-4 PH**	Stainless Steel 17-4 Precipitation Hardening
CNC	**Ti**	Titanium Ti6Al4V

IM	**ABS**	Acryloanitrile Butadiene Styrene
IM	**PA 6/6**	Polyamide 66
IM	**ABS/PC**	Acrylonitrile Butadiene Styrene + Polycarbonate
IM	**PA 6/6 GF**	Polyamide 66 Glass Fibre
IM	**PBT**	Polybutylene Terephthalate
IM	**PEI**	Polyetherimide
IM	**HDPE**	High-density Polyethylene
IM	**PA 6-GF**	Polyamide 6 Glass Fibre
IM	**PC**	Polycarbonate
IM	**PMMA**	Polymethyl Methacrylate Acrylic
IM	**LDPE**	Low-density Polyethylene
IM	**PA-GF**	Polyamide Glass Fibre
IM	**PEEK**	Polyether-etherketone
IM	**PPS**	Polyphenylene Sulfide
IM	**PP-H**	Polypropylene Homopolymer
IM	**POM-C**	Polyoxymethylene Copolymer
IM	**TPV**	Thermoplastic Vulcanisate
IM	**PP-IC**	PP Impact Copolymer
IM	**POM-GF**	Polyoxymethylene Glass Fibre-UV
IM	**TPU**	Thermoplastic Polyurethane
IM	**PP-RC**	Polypropylene Random Copolymer
IM	**POM-H**	Polyoxymethylene Homo-polymer
IM	**TPC-ET**	TP Elastomer-TP Vulcanizates
IM	**PS (GPPS)**	Polystyrene Crystal 1810 Clear
IM	**POM-UVSB**	Polyoxymethylene UV Stabilised Black
IM	**TPE**	Thermoplastic Elastomer
IM	**LSR-OC**	LSR Optical Grade
IM	**LSR 30**	Liquid Silicone Rubber 30
IM	**LSR 40**	Liquid Silicone Rubber 40
IM	**LSR 50**	Liquid Silicone Rubber 50
IM	**LSR 60**	Liquid Silicone Rubber 60
IM	**LSR 70**	Liquid Silicone Rubber 70
3DP	**Al**	Aluminum si10Mg
3DP	**IN 718**	Inconel 718
3DP	**SS 316L**	Stainless Steel 316L
3DP	**CoCr**	Cobalt-Chrome Co28Cr6Mo
3DP	**SS 17-4PH**	Stainless Steel 17-4PH
3DP	**Ti**	Titanium Ti6Al4V
3DP	**MaS**	Maraging Steel

3DP	**PH 30**	Photopoly 30
3DP	**PH 40**	Photopoly 40
3DP	**PH 50**	Photopoly 50
3DP	**PH R**	Photopoly Rigid
3DP	**PA 12-CF**	Polyamide 12-Carbon Filled Smooth Black
3DP	**PH 60**	Photopoly 60
3DP	**PA 11**	Polyamide 11
3DP	**PA 12-F**	Flexible Polyamide
3DP	**PH 70**	Photopoly 70
3DP	**PA12-G**	Polyamide 12 Smooth Light Grey
3DP	**PA 12 W**	Polyamide 12 (Smooth White)
3DP	**PH 85**	Photopoly 85
3DP	**PA12-GB**	Polyamide 12 Glass Beads
3DP	**TPU-88A**	Thermoplastic Polyurethane
3DP	**PH 95**	Photopoly 95
3DP	**ULTRASINT™**	Thermoplastic Polyurethane
3DP	**TS**	True Silicone
3DP	**ABS B**	ABS-like (Black)
3DP	**ABS C**	ABS-like (Clear)
3DP	**ABS G**	ABS-like (Gray)
3DP	**ABS-MF**	ABS-Like MicroFine™ (Green)
3DP	**ABS W**	ABS-like (White)
3DP	**C**	Ceramic-Like White
3DP	**PC**	PC-Like

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