

# Periodic Table of Manufacturing Materials

Plastic												Metal								
<ul style="list-style-type: none"> <li>CNC Machining</li> <li>Molding: Thermoplastic (TP)</li> <li>Molding: Thermoset (TS)</li> <li>3D Printing: Stereolithography (SLA)</li> <li>3D Printing: Selective Laser Sintering (SLS)</li> <li>3D Printing: Carbon (C)</li> <li>3D Printing: Multi Jet Fusion (MJF)</li> <li>3D Printing: PolyJet (PJ)</li> </ul>												<ul style="list-style-type: none"> <li>CNC Machining</li> <li>Sheet Metal</li> <li>3D Printing (DMLS)</li> </ul>								
CNC <b>ABS</b> Acrylonitrile Butadiene Styrene	CNC <b>ABS-FR</b> Acrylonitrile Butadiene Styrene-Flame Retardant	CNC <b>CPVC</b> Chlorinated Polyvinyl Chloride	CNC <b>PA 6/6-GF</b> Polyamide 6/6-Glass Filled	CNC <b>HDPE</b> High-density Polyethylene	CNC <b>PC</b> Polycarbonate	CNC <b>PET</b> Polyethylene Terephthalate	CNC <b>POM-GF</b> Polyoxymethylene-Glass Filled	CNC <b>PPE+PS</b> Polyphenylene Ether + Polystyrene	CNC <b>PVC</b> Polyvinyl Chloride	IM TP <b>ETPU</b> Engineering TP Polyurethanes	IM TP <b>LLDPE</b> Linear Low-density Polyethylene	IM TP <b>PC-PBT</b> Polycarbonate-Polybutylene Terephthalate	IM TP <b>PETG</b> Polyethylene Terephthalate Glycol	IM TP <b>PPE-PS</b> Polyphenylene Ether	IM TP <b>TPU</b> Thermoplastic Polyurethane	IM TS <b>LSR 30</b> Liquid Silicone Rubber 30	3DP PU <b>PH R</b> Photopoly Rigid	3DP PU <b>PH 85</b> Photopoly 85	3DP SLS <b>PA 11 B</b> Polyamide 11 (Black)	3DP SLA <b>ABS B</b> ABS-like (Black)
CNC <b>LDPE</b> Low-density Polyethylene	CNC <b>PC-GF</b> Polycarbonate 20% Glass-filled	CNC <b>PMMA</b> Polymethyl Methacrylate	CNC <b>POM-SD</b> Polyoxymethylene Static Dissipative	CNC <b>PPSU</b> Polyphenyl-sulfone	CNC <b>UHMW</b> Ultra-high Molecular Weight Polyethylene	IM TP <b>HDPE</b> High-density Polyethylene	IM TP <b>PA</b> Polyamide	IM TP <b>PEEK</b> Polyether-etherketone	IM TP <b>PMMA</b> Polymethyl Methacrylate Acrylic	IM TP <b>PPS</b> Polyphenylene Sulfide	IM TS <b>LSR-FR</b> Liquid Silicone Rubber-Flame Retardant	IM TS <b>LSR 50</b> Liquid Silicone Rubber 50	3DP PU <b>PH 40</b> Photopoly 40	3DP MJF <b>PA 12 B</b> Polyamide 12 (Black)	3DP SLS <b>PA 12-MF</b> Polyamide 12-25% Mineral Filled	3DP SLA <b>ABS-MF</b> ABS-like MicroFine				
CNC <b>PA 6</b> Polyamide 6	CNC <b>PEEK</b> Polyether-etherketone	CNC <b>POM-C</b> Polyoxymethylene Cellulose Propionate	CNC <b>PP-CP</b> Polypropylene Copolymer	CNC <b>PS</b> Polystyrene	IM TP <b>ABS</b> Acrylonitrile Butadiene Styrene	IM TP <b>LCP</b> Liquid-crystal Polymer	IM TP <b>PBT</b> Polybutylene Terephthalate	IM TP <b>PEI</b> Polyetherimide	IM TP <b>POM</b> Polyoxymethylene	IM TP <b>PS</b> Polystyrene	IM TS <b>LSR-OG</b> LSR Optical Grade	IM TS <b>LSR 60</b> Liquid Silicone Rubber 60	3DP PU <b>PH 50</b> Photopoly 50	3DP MJF <b>PA 12-GF</b> Polyamide 12-40% Glass Filled	3DP SLS <b>PA 12-GF</b> Polyamide 12-40% Glass Filled	3DP SLA <b>ABS W</b> ABS-like (White)				
CNC <b>PA 6/6</b> Polyamide 6/6	CNC <b>PEI ULTEM</b> Polyetherimide	CNC <b>POM-H</b> Polyoxymethylene Hydroxypropionate	CNC <b>PP-HP</b> Polypropylene Homopolymer	CNC <b>PTFE</b> Polytetra-fluoroethylene	IM TP <b>ABS+PC</b> Acrylonitrile Butadiene Styrene + Polycarbonate	IM TS <b>LDPE</b> Low-density Polyethylene	IM TP <b>PC</b> Polycarbonate	IM TP <b>PET</b> Polyethylene Terephthalate	IM TP <b>PP</b> Polypropylene	IM TP <b>PSU</b> Polysulfone	IM TS <b>LSR-MG</b> LSR Medical Grade	IM TS <b>LSR 70</b> Liquid Silicone Rubber 70	3DP PU <b>PH 60</b> Photopoly 60	3DP C <b>FPU 50</b> Flexible Polyurethane 50	3DP SLS <b>PP N</b> Polypropylene (Natural)	3DP SLA <b>PC C</b> PC-like (Clear)				
CNC <b>AL 6061</b> Aluminum 6160	CNC <b>BR 260</b> Brass 260	CNC <b>CU C101</b> Copper C101	CNC <b>SA 4140</b> Steel Alloy 4140	CNC <b>SS 303</b> Stainless Steel 303	CNC <b>SS 316</b> Stainless Steel 316	SM <b>AI 5052</b> Aluminum 5052	SM <b>BR C260</b> Brass C260	SM <b>CR GZ</b> Cold-rolled Galvanized	SM <b>CU C110</b> Copper C110	SM <b>SS 304</b> Stainless Steel 304	3DP DMLS <b>AI</b> Aluminum si10Mg	3DP DMLS <b>IN 718</b> Inconel 718	3DP DMLS <b>SS 316L</b> Stainless Steel 316L							
CNC <b>AL 7075</b> Aluminum 7075	CNC <b>BR C360</b> Brass C360	CNC <b>LCS 1018</b> Low-carbon Steel 1018	CNC <b>SS 17-4 PH</b> Stainless Steel 17-4 Precipitation Hardening	CNC <b>SS 304</b> Stainless Steel 304	CNC <b>Ti</b> Titanium Ti6Al4V	SM <b>AI 6061</b> Aluminum 6061	SM <b>CR GL</b> Cold-rolled Galvannealed	SM <b>CU C101</b> Copper C101	SM <b>LCS-CR 1008</b> Low Carbon Steel Cold-rolled 1008	SM <b>SS 316</b> Stainless Steel 316	3DP DMLS <b>CoCr</b> Cobalt-Chrome Co28Cr6Mo	3DP DMLS <b>SS 17-4PH</b> Stainless Steel 17-4PH	3DP DMLS <b>Ti</b> Titanium Ti6Al4V							