

Additive Material Comparison Chart

	 Material	 Description	 Production Equivalent Material	 Color	 Shore Hardness	 Surface Roughness	 Uses
CARBON	EPX 82	Rigid & Accurate	PC/ABS	Black	89D	Smooth	Great for Production, Connectors, FF&F
	UMA 90	Rigid & Durable	ABS/POM	Grey or Customizable	86D	Smooth	Jigs, Fixtures, FF&F
	RPU 70	Rigid & Tough	ABS/PMMA/POM	Black	80D	Smooth	Great for Production, Housings & Enclosures
	RPU 130	Tough & Heat Resistant	PP, PA12	Black	77D	Smooth	Push-In Rivets, Eyewear, Housings
	EPU 41/44/45	Elastic & Energy Dampening	TPU	Black	73A - 77A	Smooth	Elastomeric Lattices, Helmets, Safety Accessories
	EPU 46/Soft/Extra Soft	Tunable Material Stiffness	TPU	Black, Customizable	78A/71A/56A	Smooth	Midsoles, Saddles, Grips
	MPU 100	Biocompatible & Chemically Resistant	Medical ABS	White	81D	Smooth	Medical Products (Single-Use Surgical Instruments, etc.)
	SIL 30	Biocompatible & Tear Resistant	TPU	Light Grey	35A	Smooth	Wrist Bands, Headphone Pads
	IND 405	Rigid & Tough	PC/PP/PMMA	Clear	78D	Smooth	Fluid Ducts, High Pressure Tooling (forming, etc.)
	IND 147	Temperature Resistant & Stiff	PEEK/PSU	Black	94D	Smooth	Molds, Baking Fixtures
	EPX 86FR	Tough & Flame Retardant	Polyamides/PBT	Black	88D	Smooth	Cable Clips, Connectors, Housings & Brackets
	EPX 150	Tough & Temperature Resistant	PSU/PPSU	Black	87D	Smooth	Autoclavable Medical Devices, Connectors, Fluidic Routers
FDM	ABS-M30	Rigid & Tough	ABS	White, Black, Grey, Red, Blue	N/A	Layer Lines	Production, Fixtures, Testing, FF&F
	ABS-ESD7	Static Dissipative	ABS	Black	N/A	Layer Lines	Electronic Components (packaging, fixturing)
	PC	Rigid & Tough	PC	White	N/A	Layer Lines	Production, Fixtures, Testing, FF&F
	PC-ISO	Rigid & Tough	PC	White	N/A	Layer Lines	Medical Devices, FF&F, USP Class VI Bio-Compatible
	Ultem 9085	Rigid & High Heat	Ultem	Tan, Black	N/A	Layer Lines	Aerospace/Defense Production, FST rated
HP	PA 12	Strong	PA 12	Grey	70D	Granular	Assemblies, Housings, Watertight Applications*
	PA 12W	Strong	PA 12	White	70D	Granular	Assemblies, Housings, Watertight Applications*
	TPU M88A	Chemical Resistance	TPU	Grey	88A	Granular	Prosthetics, Consumer Goods, Industrial Applications
NANO	D-810	Durable & Rigid	ABS	Black	88D	0.4um	Production & Prototype Parts, FF&F
	P-900	High Heat & High Wear	Ceramic Filled	Black	90D	0.4um	Electronic Components, Injection Molding Inserts, Fixtures
	P-910	Extreme Thermal Resistance	Ceramic Filled	Black	89D	0.4um	Electronic Components, Injection Molding Inserts, Fixtures
	T-700	Rigid & Accurate	PMMA	Transparent/ Yellow	84D	0.4um	Microfluidic Devices, Medical Devices
	M-810	Non-cytotoxic	Medical ABS	Black	88D	0.4um	Medical Devices
SLA	Accura Xtreme	Accurate & Durable	ABS	Grey	86D	Smooth	FF&F, Marketing Materials, Master Patterns
	Accura ClearVue	High Clarity	PC	Clear	80D	Smooth	Moisture Resistant, Marketing Materials
	EvoLve 128	Accurate & Tough	ABS	White	82D	Smooth	FF&F, Marketing Materials