



trotec

Material List

A laser can engrave, cut
and mark

Valid from Feb. 2024

List of Materials

Material EN	Material DE	Cutting			Engraving			Marking		
		CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx
Metal										
Aluminum	Aluminium					✓	✓		✓	✓
Aluminum, anodized	Aluminium eloxiert					✓	✓	✓	✓	✓
Chromium	Verchromte Oberflächen					✓	✓		✓	✓
Precious metal	Edelmetalle					✓	✓		✓	✓
Metal foils up to 0.5mm (aluminum, brass, copper, precious metal)	Metallfolien bis zu 0,5mm (Aluminium, Messing, Kupfer, Edelmetall)		✓	✓		✓	✓		✓	✓
Stainless steel	Edelstahl					✓	✓		✓	✓
Metal, painted	Beschichtetes Metall (lackiert)				✓		✓			
Brass	Messing					✓	✓		✓	✓
Copper	Kupfer					✓	✓		✓	✓
Titanium	Titan					✓	✓		✓	✓

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		CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx
Plastic										
Acrylonitrile butadiene styrene (ABS)	Acrylnitril-ButadienStyrol-Copolymer (ABS)	✓		✓	✓		✓		✓	✓
Acrylic/PMMA, i.e. TroGlass	Acryl(PMMA), z.B. TroGlass	✓		✓	✓		✓		✓	✓
Rubber	Gummi (Stempelgummi)	✓		✓	✓		✓			
Polyamide (PA)	Polyamid (PA)	✓		✓	✓		✓		✓	✓
Polybutylene terephthalate (PBT)	Polybutylenterephthalat (PBT)	✓		✓	✓		✓		✓	✓
Polycarbonate (PC)	Polycarbonat (PC)	✓		✓	✓		✓		✓	✓
Polyethylene (PE)	Polyethylen (PE)	✓		✓	✓		✓		✓	✓
Polyester (PES)	Polyester (PES)	✓		✓	✓		✓		✓	✓
Polyethylene terephthalate (PET)	Polyethylenterephthalat (PET)	✓		✓	✓		✓		✓	✓
Polyimide (PI)	Polyimid (PI)	✓		✓	✓		✓		✓	✓
Polyoxymethylene (POM) -i.e. Delrin®	Polyoxymethylene (POM) -i.e. Delrin®	✓		✓	✓		✓		✓	✓
Polypropylene (PP)	Polypropylen (PP)	✓		✓	✓		✓		✓	✓
Polyphenylene sulfide (PPS)	Polyphenylensulfid (PPS)	✓		✓	✓		✓		✓	✓
Polystyrene (PS)	Polystyrol (PS)	✓		✓	✓		✓		✓	✓
Polyurethane (PUR)	Polyurethan (PUR)	✓		✓	✓		✓		✓	✓
Foam (PVC free)	Schaumstoff (PVC frei)	✓		✓	✓		✓		✓	✓

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		CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx	CO ₂	Fiber	Flexx
Miscellaneous										
Wood	Holz	✓		✓	✓		✓			
Mirror	Spiegel					✓	✓		✓	✓
Stone	Stein				✓		✓			
Paper (white)	Papier (weiß)	✓		✓	✓		✓	✓		✓
Paper (colored)	Papier (farbig)	✓		✓	✓		✓	✓	✓	✓
Food	Lebensmittel	✓	✓	✓	✓		✓	✓		✓
Leather	Leder	✓		✓	✓		✓	✓	✓	✓
Fabric	Textilien	✓		✓	✓		✓			
Glass	Glas				✓		✓			
Ceramics	Keramik					✓	✓	✓	✓	✓
Cardboard	Karton	✓		✓	✓		✓	✓		✓
Cork	Kork	✓		✓	✓		✓	✓	✓	✓
Marking agent (on metal or ceramic/glass) e.g. markSolid	Markierungsmittel (auf Metall oder Keramik/Glas) z.B. markSolid				✓		✓	✓		✓