

LASER CUTTING MATERIALS COMPARISON- TECHNICAL SPECIFICATIONS

Our Laser Cutting materials are available in European and American catalog, however, you can order from either one, it will only affect the shipping costs.

	TYPE	DENSITY	SWELLING (24 H)	TENSILE STRENGTH	ELONGATION AT BREAK	MODULUS OF ELASTICITY
Acrylic & Mirrored Acrylic	Clear	1.19 kg/m ³	0.3%	76 MPa	5%	3000 N/mm ²
	Non- Translucent	1.19 kg/m ³	0.2%	75 MPa	5%	3000 N/mm ²
Plywood	The technical properties of Plywood highly depend on the project, please contact our sales office to consult your project.					
MDF	Natural	+/- 7% min. 780 kg/m ³ max. 850 kg/m ³	min. 15% max. 17%	min. 22 N/mm ² max. 23 N/mm ²		min. 2500 N/mm ² max. 2700 N/mm ²
	Colored	+/- 30 kg/m ³ 850 kg/m ³	12%	42 N/mm ²	<1%	3400 N/mm ²
Cardboard						
POM		1. 38 to 1.44 g/cm ³	0.1 to 0.79%	70 MPa	30%	3000 MPa