



PRODUCT:

SLS - Grey PA12

Grey PA12 is a pigment-filled polyamide powder for the manufacturing of laser sintered parts that are grey throughout. Typical applications for the material are fully functional parts in design quality subject to high mechanical or thermal loads. The grey appearance often looks better in technical areas than white parts. As this colour is throughout, scratches or subsequent holes do not degrade the appearance. The parts are also less susceptible to soiling, as soiling is less conspicuous against the grey background. The material can be coloured, polished and coated.

PART PROPERTIES	VALUE	UNIT
Part colour	Grey	-
Part density	0,92 - 0,95	g/cm3
Layer Thickness	0,1	mm
Tensile modulus	1,600	Mpa
Tensile Strength XY	48	Mpa
Tensity Strength Z	42	Mpa
Strain at break XY	20	%
Strain at break Z	6	%
Hardness	75	Shore D
Melting temperature	184 - 188	°C

Please be aware that the mechanical properties listed represent the manufacturer’s optimal values. Due to the layer-by-layer production method and the unique design of each product, these values may vary. If specific properties or dimensions are crucial, we strongly recommend reaching out to us for guidance on achieving the desired specifications!

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