

Tough Black PA 1102



Material description

Tough Black PA1102, made from a renewable resource, castor bean, is a flexible product making it particularly suited to production of end use parts requiring flex or which have living hinges, clips, latches or other closures. Parts which are in situations of heavy use will benefit from being produced in this material as the resulting part will be tough and will wear well, will be resilient and resistant to shattering or splitting. The powder is mass coloured, meaning each particle is solid black.

Material specification

Colour	Black	
Density of laser sintered part	0.99g/cm ³	
Mechanical properties	Build direction	
	X - Y	Z
Tensile modulus	1700 ± 200MPa	1680 ± 200MPa
Tensile strength	52 ± 5MPa	52 ± 5MPa
Elongation at break	38 ± 8%	27 ± 8%
Melting point	201°C	

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