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Mechanical Properties	Test Method	Orientation	Unit	Markforged Onyx®	Argyle CF Nylon 6
Tensile Strength	ASTM D638	Vertical	MPa	20.1	23.4
Tensile Modulus	ASTM D638	Vertical	MPa	1,082.5	1,351.4
Tensile Strength	ASTM D638	Flat	MPa	26.1	23.8
Tensile Modulus	ASTM D638	Flat	MPa	539.9	730.8
Tensile Strength	ASTM D638	Edge	MPa	31.9	31.0
Tensile Modulus	ASTM D638	Edge	MPa	1,206.6	1,510.0
Flexural Strength	ASTM D790	Edge	MPa	30.8	33.9
Flexural Modulus	ASTM D790	Edge	MPa	820.5	1,048.0
IZOD Impact, Unnotched	ASTM D256	Flat	J/M	940	854

Thermal Properties	Test Method	Unit	Markforged Onyx®	Argyle CF Nylon 6
HDT at 0.45MPa (66psi)	ISO 75	°C	145	147

Physical Properties	Test Method	Unit	Argyle CF Nylon 6
Density	ISO 1183	g/cc	1.2

Material	Test Method	Nozzle Temperature (°C)	Print Speed (mm/s)	Layer Height (mm)	Infill
Markforged Onyx®	Markforged X7	275	30	0.20	Solid
Argyle CF Nylon 6	Markforged X7	275	30	0.20	Solid

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