

MatterHackers

Portfolio coverage, product-level engineering context and comparative public manufacturer positioning.



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v60.0.6 WORKFLOW-RELIABILITY - Bug Fixes and Workflow Reliability
2026-08-25 19:04:28

Public-data contract: portfolio statistics and positions use only explicitly allowlisted MaterialIDs and existing Verified Material Summary scores. No measurement or score is recalculated.

Public materials 1	Product lines 1	Material types 1	With results 1
Complete profiles 0	Average overall 42/100	Public global rank 21 of 25	Benchmark manufacturers 25

Manufacturer overview and public global position

Materials	Product lines	Types	With results	Complete	Average overall	Global rank	Portfolio leader	Strongest axis	With MSRP	With video
1	1	1	1	0	42/100	21 of 25	MatterHackers NylonX PA12 CF Black	consistency	1	0

Manufacturer website: [Open manufacturer website](#)

Category position by base material

Base material	Public manufacturer position	Average overall	Scored products
PA12	5 of 6	42/100	1

Overall leaders

MatterHackers NylonX PA12
CF Black 42/100

Consistency leaders

MatterHackers NylonX PA12
CF Black 71/100

Product-level engineering context

MaterialID	Material	Product line	Type	Reinforcement	Coverage	Engineering axes	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Strongest axis	MSRP USD/kg	Product	Video
MAT0019	MatterHackers NylonX PA12 CF Black	NylonX	PA12	CF	Complete	6/5	42/100	32/100	22/100	50/100	71/100	33/100	consistency	\$126.00	Product page	n/a

Results are comparative 3DPrintland measurements and do not replace manufacturer datasheets or accredited laboratory testing.

[Testing methodology](#) · [Engineering methodology whitepaper](#) · [Download PDF](#)

Stable public path: reports/manufacturers/matterhackers/