

Winkle

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



3DPiceland Labs
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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
13

Product lines
3

Material types
2

With results
13

Complete profiles
2

Average overall
49,1/100

Public global rank
8 of 25

Benchmark manufacturers
25

Manufacturer overview and public global position

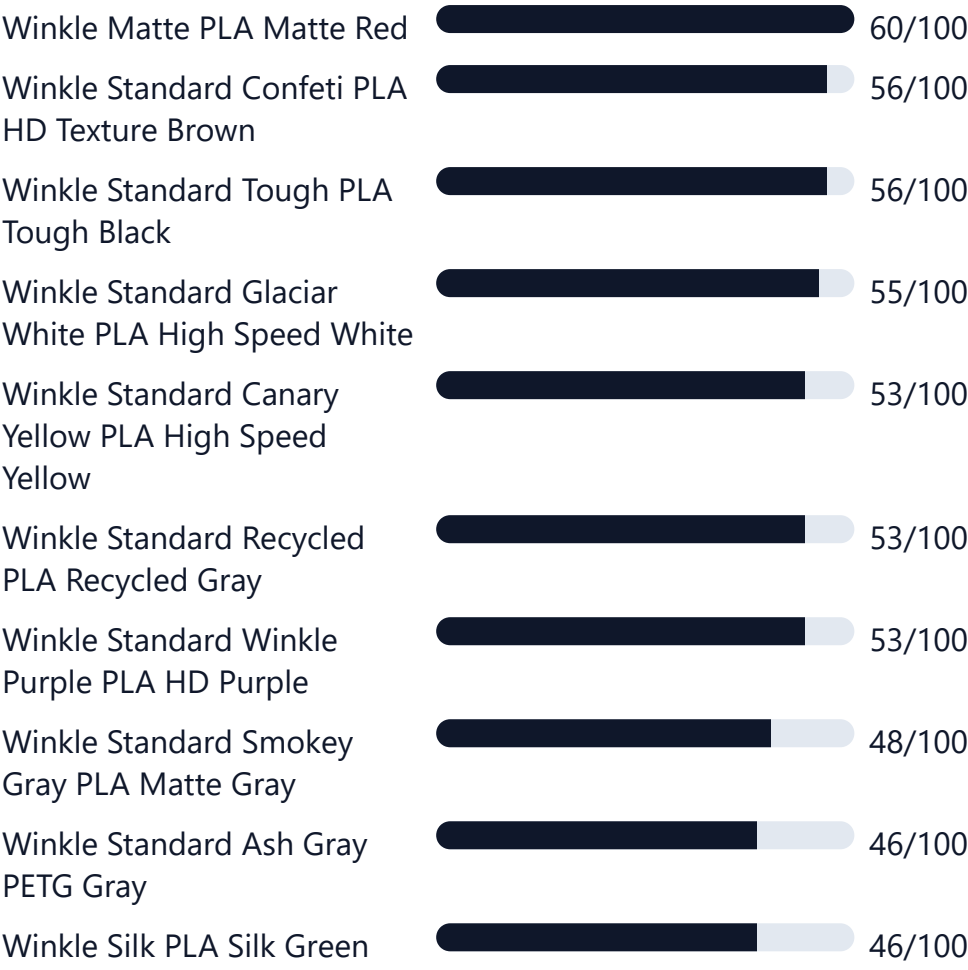
Materials	Product lines	Types	With results	Complete	Average overall	Global rank	Portfolio leader	Strongest axis	With MSRP	With video
13	3	2	13	2	49,1/100	8 of 25	Winkle Matte PLA Matte Red	consistency	13	4

Manufacturer website: [Open manufacturer website](#)

Category position by base material

Base material	Public manufacturer position	Average overall	Scored products
PETG	9 of 14	40,5/100	2
PLA	6 of 17	50,6/100	11

Overall leaders



Consistency leaders



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
MAT0165	Winkle Standard Ash Gray PETG Gray	Standard	PETG		Complete	6/5	46/100	30/100	14/100	57/100	81/100	47/100	consistency	\$79.83	Product page	n/a
MAT0054	Winkle Standard PETG Gray	Standard	PETG		Partial	3/5	35/100	—	6/100	—	65/100	—	consistency	\$79.83	Product page	Video review
MAT0074	Winkle Matte PLA Matte Red	Matte	PLA		Partial	5/5	60/100	34/100	—	63/100	83/100	60/100	consistency	\$39.96	Product page	Video review

MaterialID	Material	Product line	Type	Reinforcement	Coverage	Engineering axes	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Strongest axis	MSRP USD/kg	Product	Video
MAT0089	Winkle Silk PLA Silk Green	Silk	PLA		Complete	6/5	46/100	26/100	11/100	91/100	79/100	22/100	stiffness	\$27.96	Product page	Video review
MAT0160	Winkle Standard Canary Yellow PLA High Speed Yellow	Standard	PLA		Complete	6/5	53/100	36/100	17/100	100/100	79/100	33/100	stiffness	\$39.96	Product page	n/a
MAT0161	Winkle Standard Confeti PLA HD Texture Brown	Standard	PLA		Complete	6/5	56/100	34/100	19/100	100/100	86/100	41/100	stiffness	\$47.96	Product page	n/a
MAT0164	Winkle Standard Glaciar White PLA High Speed White	Standard	PLA		Complete	6/5	55/100	36/100	19/100	100/100	82/100	36/100	stiffness	\$55.96	Product page	n/a
MAT0163	Winkle Standard Maple Wood PLA HD Wood White	Standard	PLA	Wood	Complete	6/5	42/100	17/100	23/100	86/100	74/100	9/100	stiffness	\$85.27	Product page	n/a
MAT0120	Winkle Standard PLA HD Blue	Standard	PLA		Partial	3/5	35/100	—	7/100	—	64/100	—	consistency	\$44.67	Product page	Video review
MAT0157	Winkle Standard Recycled PLA Recycled Gray	Standard	PLA		Complete	6/5	53/100	35/100	20/100	99/100	79/100	32/100	stiffness	\$58.50	Product page	n/a
MAT0158	Winkle Standard Smokey Gray PLA Matte Gray	Standard	PLA		Complete	5/5	48/100	26/100	42/100	65/100	83/100	22/100	consistency	\$39.96	Product page	n/a
MAT0159	Winkle Standard Tough PLA Tough Black	Standard	PLA		Complete	6/5	56/100	32/100	56/100	78/100	83/100	33/100	consistency	\$39.96	Product page	n/a
MAT0162	Winkle Standard Winkle Purple PLA HD Purple	Standard	PLA		Complete	6/5	53/100	34/100	18/100	100/100	77/100	33/100	stiffness	\$39.96	Product page	n/a

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

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

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