

PETG Material Family Comparison



3DPiceland Labs
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Public-data contract: only explicitly allowlisted MaterialIDs and existing Verified Material Summary scores are included. No measurements or scores are recalculated.

Comparison scope: Stable Material Family preset for PETG. Every included MaterialID has explicit Public reports opt-in.

Materials compared
35

Overall score available
35

All 6 axes available
27

Engineering-axis leaders in this comparison

Axis	Leading material	Score
Overall	Yasin Standard Black PETG CF Black	50
Tensile	BambuLab Basic Gray PETG Gray	34
Impact	BambuLab Standard Indigo Blue PETG CF Blue	29
Stiffness	Yasin Standard Black PETG CF Black	100
Consistency	Prusa3D Prusament Jet Black PETG V0 Black	83

Axis	Leading material	Score
Layer adhesion	Prusa3D Buddy3D PETG Blue	63
Thermal	Eryone Standard Blue PETG Blue	35

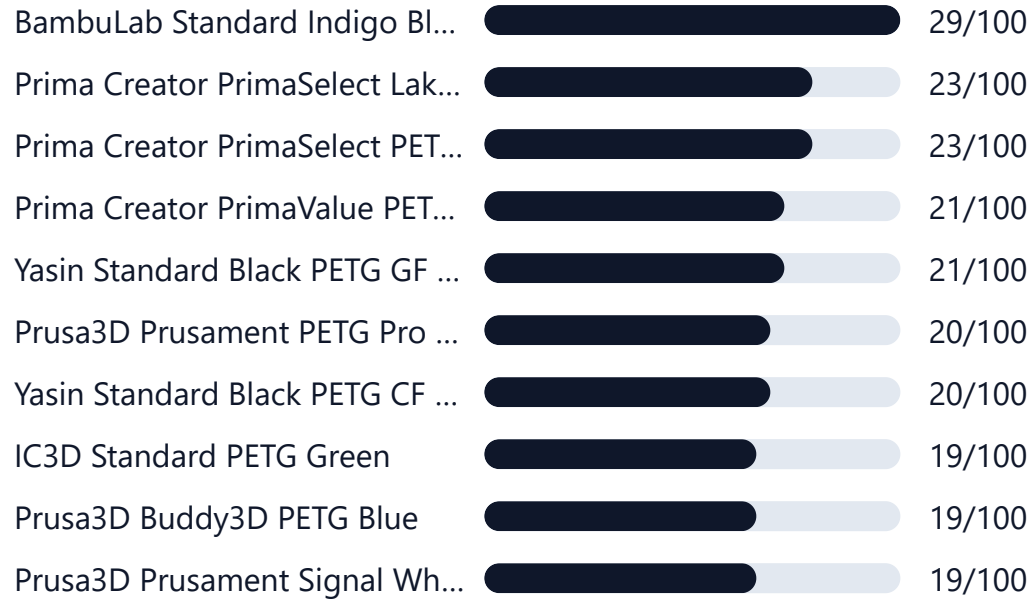
Overall comparison

Yasin Standard Black PETG CF ...		50/100
Siraya Tech Fiberheart Black PE...		49/100
ColorFabb XT PETG Pink		48/100
IC3D Standard PETG Green-Yel...		48/100
IC3D Standard PETG Yellow		46/100
Spectrum Premium Iceland Blu...		46/100
Winkle Standard Ash Gray PET...		46/100
BambuLab Basic Gray PETG Gray		45/100
BambuLab Standard PETG Hig...		45/100
Prima Creator PrimaSelect PET...		45/100

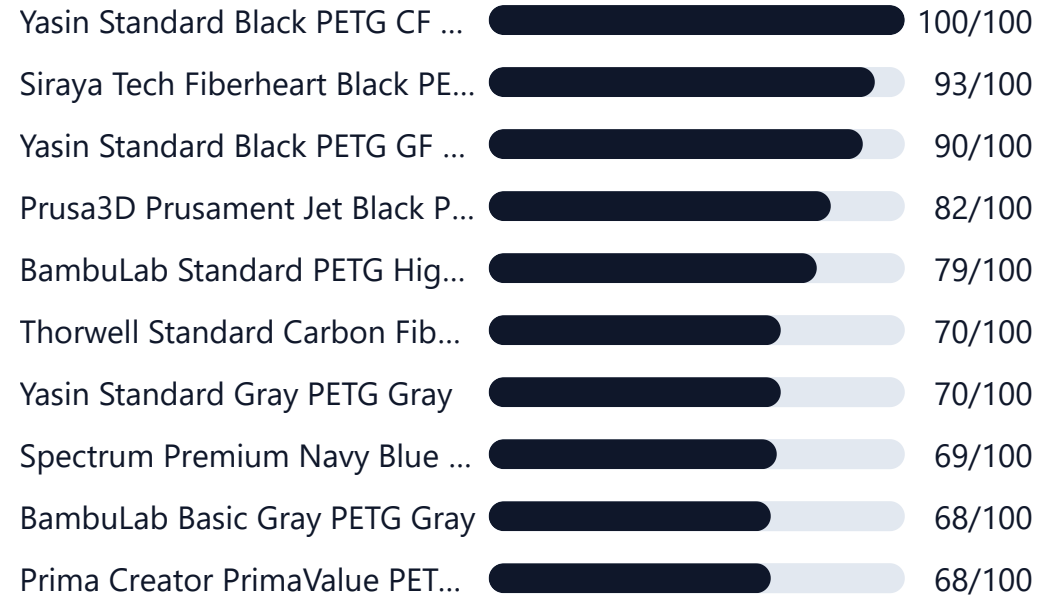
Tensile comparison

BambuLab Basic Gray PETG Gray		34/100
Yasin Standard Gray PETG Gray		34/100
Prusa3D Prusament Signal Wh...		33/100
Siraya Tech Fiberheart Black PE...		33/100
Spectrum Premium Iceland Blu...		33/100
Prima Creator PrimaValue PET...		32/100
Prima Creator PrimaSelect PET...		31/100
Prusa3D Prusament PETG Pro ...		31/100
Prusa3D Prusament Prusa Ora...		31/100
BambuLab Standard PETG Hig...		30/100

Impact comparison



Stiffness comparison



Thermal comparison



Materials and evidence context

MaterialID	Material	Manufacturer	Product line	Type	Reinforcement	Test coverage	Engineering axes
MAT0236	Yasin Standard Black PETG CF Black	Yasin	Standard	PETG	CF	Complete	6/6
MAT0198	Siraya Tech Fiberheart Black PETG Pro CF Black	Siraya Tech	Fiberheart	PETG	CF	Complete	6/6
MAT0060	ColorFabb XT PETG Pink	ColorFabb	XT	PETG		Partial	1/6
MAT0062	IC3D Standard PETG Green-Yellow	IC3D	Standard	PETG		Partial	3/6
MAT0063	IC3D Standard PETG Yellow	IC3D	Standard	PETG		Partial	4/6
MAT0225	Spectrum Premium Iceland Blue PETG Blue	Spectrum	Premium	PETG		Complete	6/6
MAT0165	Winkle Standard Ash Gray PETG Gray	Winkle	Standard	PETG		Complete	6/6
MAT0171	BambuLab Basic Gray PETG Gray	BambuLab	Basic	PETG		Complete	6/6
MAT0169	BambuLab Standard PETG High Flow Yellow	BambuLab	Standard	PETG		Complete	6/6
MAT0043	Prima Creator PrimaSelect PETG GF White	Prima Creator	PrimaSelect	PETG	GF	Complete	6/6
MAT0045	Prima Creator PrimaValue PETG Black	Prima Creator	PrimaValue	PETG		Complete	6/6

MaterialID	Material	Manufacturer	Product line	Type	Reinforcement	Test coverage	Engineering axes
MAT0052	Prusa3D Buddy3D PETG Blue	Prusa3D	Buddy3D	PETG		Complete	6/6
MAT0235	Yasin Standard Black PETG GF Black	Yasin	Standard	PETG	GF	Complete	6/6
MAT0049	Prima Creator EasyPrint Transparent Light Blue PETG Blue	Prima Creator	EasyPrint	PETG		Complete	6/6
MAT0050	Prima Creator PrimaSelect Lake Blue PETG Blue	Prima Creator	PrimaSelect	PETG		Complete	6/6
MAT0048	Prusa3D Prusament Jet Black PETG V0 Black	Prusa3D	Prusament	PETG		Complete	6/6
MAT0042	Prusa3D Prusament PETG CF Black	Prusa3D	Prusament	PETG	CF	Complete	6/6
MAT0061	Prusa3D Prusament Signal White PETG White	Prusa3D	Prusament	PETG		Complete	6/6
MAT0055	Yasin Standard Gray PETG Gray	Yasin	Standard	PETG		Complete	6/6
MAT0044	Prima Creator EasyPrint Solid Black PETG Black	Prima Creator	EasyPrint	PETG		Complete	6/6
MAT0229	Spectrum Premium Navy Blue PETG Blue	Spectrum	Premium	PETG		Complete	6/6
MAT0051	Atomic Standard PETG Blue	Atomic	Standard	PETG		Complete	6/6
MAT0058	IC3D Standard PETG Lime	IC3D	Standard	PETG		Partial	1/6
MAT0242	Landu Standard Black PETG Pro Black	Landu	Standard	PETG		Complete	6/6
MAT0059	Prusa3D Prusament Prusa Orange PETG Orange	Prusa3D	Prusament	PETG		Complete	6/6
MAT0047	Prusa3D Prusament Jet Black PETG Black	Prusa3D	Prusament	PETG		Complete	6/6
MAT0150	Thorwell Standard PETG PETG Red	Thorwell	Standard	PETG		Complete	6/6
MAT0215	Eryone Standard Blue PETG Blue	Eryone	Standard	PETG		Complete	6/6
MAT0056	IC3D Standard PETG Green	IC3D	Standard	PETG		Complete	5/6
MAT0057	Prusa3D Prusament PETG Pro Green	Prusa3D	Prusament	PETG		Complete	6/6
MAT0170	BambuLab Standard Indigo Blue PETG CF Blue	BambuLab	Standard	PETG	CF	Complete	6/6
MAT0046	DasFilament Standard PETG Black	DasFilament	Standard	PETG		Partial	2/6
MAT0151	Thorwell Standard Carbon Fiber-T PETG CF Black	Thorwell	Standard	PETG	CF	Complete	6/6
MAT0053	IC3D Standard PETG Clear	IC3D	Standard	PETG		Complete	5/6
MAT0054	Winkle Standard PETG Gray	Winkle	Standard	PETG		Partial	3/6

Side-by-side engineering scores

Mater ialID	Material	Manuf acturer	Reinfor cement	Cove rage	Evid ence	Ove rall	Ten sile	Imp act	Stiff ness	Consis tency	Layer adhesio n	Ther mal	Fixtu re °C	Method	Thermal limitation	MSRP USD/kg
MAT0236	Yasin Standard Black PETG CF Black	Yasin	CF	Complete	6/6	50/100	30/100	20/100	100/100	82/100	18/100	30/100	60 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$30.56

Material ID	Material	Manufacturer	Reinforcement	Coverage	Evidence	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Thermal	Fixture °C	Method	Thermal limitation	MSRP USD/kg
MAT0198	Siraya Tech Fiberheart Black PETG Pro CF Black	Siraya Tech	CF	Complete	6/6	49/100	33/100	19/100	93/100	81/100	21/100	33/100	66 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$26.39
MAT0060	ColorFabb XT PETG Pink	ColorFabb		Partial	1/6	48/100	—	—	48/100	—	—	—	n/a			\$28.34
MAT0062	IC3D Standard PETG Green-Yellow	IC3D		Partial	3/6	48/100	26/100	—	—	72/100	46/100	—	n/a			\$39.00
MAT0063	IC3D Standard PETG Yellow	IC3D		Partial	4/6	46/100	26/100	—	40/100	71/100	46/100	—	n/a			\$39.00
MAT0225	Spectrum Premium Iceland Blue PETG Blue	Spectrum		Complete	6/6	46/100	33/100	17/100	65/100	78/100	38/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$35.92
MAT0165	Winkle Standard Ash Gray PETG Gray	Winkle		Complete	6/6	46/100	30/100	14/100	57/100	81/100	47/100	32/100	64 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$79.83
MAT0171	BambuLab Basic Gray PETG Gray	BambuLab		Complete	6/6	45/100	34/100	14/100	68/100	75/100	35/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$35.92
MAT0169	BambuLab Standard PETG High Flow Yellow	BambuLab		Complete	6/6	45/100	30/100	12/100	79/100	73/100	30/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$35.92
MAT0043	Prima Creator PrimaSelect PETG GF White	Prima Creator	GF	Complete	6/6	45/100	31/100	23/100	59/100	82/100	31/100	34/100	67 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$21.65
MAT0045	Prima Creator PrimaValue PETG Black	Prima Creator		Complete	6/6	45/100	32/100	21/100	68/100	76/100	28/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$14.70
MAT0052	Prusa3D Buddy3D PETG Blue	Prusa3D		Complete	6/6	45/100	24/100	19/100	51/100	67/100	63/100	33/100	65 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$21.20
MAT0235	Yasin Standard Black PETG GF Black	Yasin	GF	Complete	6/6	45/100	27/100	21/100	90/100	73/100	16/100	30/100	59 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$28.16
MAT0049	Prima Creator EasyPrint Transparent Light Blue PETG Blue	Prima Creator		Complete	6/6	44/100	28/100	18/100	63/100	76/100	32/100	31/100	62 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$20.78
MAT0050	Prima Creator PrimaSelect Lake Blue PETG Blue	Prima Creator		Complete	6/6	44/100	29/100	23/100	52/100	76/100	40/100	31/100	62 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$20.78
MAT0048	Prusa3D Prusament Jet Black PETG V0 Black	Prusa3D		Complete	6/6	44/100	26/100	10/100	82/100	83/100	19/100	35/100	70 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$55.60

Material ID	Material	Manufacturer	Reinforcement	Coverage	Evidence	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Thermal	Fixture °C	Method	Thermal limitation	MSRP USD/kg
MAT0042	Prusa3D Prusament PETG CF Black	Prusa3D	CF	Complete	6/6	44/100	25/100	16/100	64/100	77/100	37/100	35/100	70 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$58.00
MAT0061	Prusa3D Prusament Signal White PETG White	Prusa3D		Complete	6/6	43/100	33/100	19/100	59/100	78/100	24/100	32/100	64 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$25.60
MAT0055	Yasin Standard Gray PETG Gray	Yasin		Complete	6/6	42/100	34/100	9/100	70/100	64/100	31/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$24.00
MAT0044	Prima Creator EasyPrint Solid Black PETG Black	Prima Creator		Complete	6/6	41/100	29/100	18/100	62/100	77/100	19/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$20.78
MAT0229	Spectrum Premium Navy Blue PETG Blue	Spectrum		Complete	6/6	41/100	27/100	18/100	69/100	66/100	25/100	30/100	60 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$35.92
MAT0051	Atomic Standard PETG Blue	Atomic		Complete	6/6	40/100	24/100	14/100	42/100	75/100	47/100	31/100	62 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$32.99
MAT0058	IC3D Standard PETG Lime	IC3D		Partial	1/6	40/100	—	—	40/100	—	—	—	n/a			\$39.00
MAT0242	Landu Standard Black PETG Pro Black	Landu		Complete	6/6	40/100	29/100	13/100	62/100	77/100	18/100	30/100	59 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$26.32
MAT0059	Prusa3D Prusament Prusa Orange PETG Orange	Prusa3D		Complete	6/6	40/100	31/100	10/100	41/100	78/100	41/100	29/100	57 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$30.40
MAT0047	Prusa3D Prusament Jet Black PETG Black	Prusa3D		Complete	6/6	39/100	30/100	7/100	42/100	73/100	41/100	33/100	65 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$30.40
MAT0150	Thorwell Standard PETG PETG Red	Thorwell		Complete	6/6	39/100	28/100	16/100	51/100	77/100	22/100	31/100	62 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$38.40
MAT0215	Eryone Standard Blue PETG Blue	Eryone		Complete	6/6	38/100	26/100	16/100	44/100	77/100	26/100	35/100	69 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$13.00
MAT0056	IC3D Standard PETG Green	IC3D		Complete	5/6	38/100	26/100	19/100	40/100	68/100	38/100	—	n/a			\$39.00
MAT0057	Prusa3D Prusament PETG Pro Green	Prusa3D		Complete	6/6	38/100	31/100	20/100	57/100	71/100	10/100	34/100	68 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$30.40
MAT0170	BambuLab Standard Indigo Blue PETG CF Blue	BambuLab	CF	Complete	6/6	36/100	21/100	29/100	53/100	63/100	16/100	32/100	63 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPiceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$47.92

MaterialID	Material	Manufacturer	Reinforcement	Coverage	Evidence	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Thermal	Fixture °C	Method	Thermal limitation	MSRP USD/kg
MAT0046	DasFilament Standard PETG Black	DasFilament		Partial	2/6	36/100	—	6/100	—	67/100	—	—	n/a			\$22.83
MAT0151	Thorwell Standard Carbon Fiber-T PETG CF Black	Thorwell	CF	Complete	6/6	36/100	15/100	14/100	70/100	67/100	13/100	31/100	61 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPIceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$40.00
MAT0053	IC3D Standard PETG Clear	IC3D		Complete	5/6	35/100	26/100	4/100	39/100	67/100	41/100	—	n/a			\$39.00
MAT0054	Winkle Standard PETG Gray	Winkle		Partial	3/6	35/100	—	6/100	—	65/100	—	32/100	64 °C	3dp-thermal-deflection-fixture-v1	Nearby BlueDOT probe-indicated fixture temperature from a non-standard comparative 3DPIceland method; not ASTM D648, ISO 75, specimen temperature, certified HDT or a manufacturer limit.	\$79.83

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

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