

PC/PBT 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 PC/PBT. Every included MaterialID has explicit Public reports opt-in.

Materials compared
2

Overall score available
2

All 6 axes available
2

Engineering-axis leaders in this comparison

Axis	Leading material	Score
Overall	Extrudr DuraPro Neon Green PC/PBT Green	61
Tensile	Extrudr DuraPro Neon Green PC/PBT Green	33
Impact	Extrudr DuraPro Neon Green PC/PBT Green	70
Stiffness	Extrudr DuraPro PC/PBT CF Black	85
Consistency	Extrudr DuraPro Neon Green PC/PBT Green	92

Axis	Leading material	Score
Layer adhesion	Extrudr DuraPro Neon Green PC/PBT Green	43
Thermal	Extrudr DuraPro Neon Green PC/PBT Green	50

Overall comparison



Tensile comparison



Impact comparison



Stiffness comparison



Thermal comparison



Materials and evidence context

MaterialID	Material	Manufacturer	Product line	Type	Reinforcement	Test coverage	Engineering axes
MAT0031	Extrudr DuraPro Neon Green PC/PBT Green	Extrudr	DuraPro	PC/PBT		Complete	6/6
MAT0030	Extrudr DuraPro PC/PBT CF Black	Extrudr	DuraPro	PC/PBT	CF	Complete	6/6

Side-by-side engineering scores

MaterialID	Material	Manufacturer	Reinforcement	Coverage	Evidence	Overall	Tensile	Impact	Stiffness	Consistency	Layer adhesion	Thermal	Fixture °C	Method	Thermal limitation	MSRP USD/kg
MAT0031	Extrudr DuraPro Neon Green PC/PBT Green	Extrudr		Complete	6/6	61/100	33/100	70/100	66/100	92/100	43/100	50/100	99 °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.	\$45.64
MAT0030	Extrudr DuraPro PC/PBT CF Black	Extrudr	CF	Complete	6/6	48/100	23/100	39/100	85/100	77/100	18/100	50/100	100 °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.	\$54.34

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

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

Stable public path: reports/comparisons/material-family-pc-pbt/