

PC/ABS Material Family Comparison



3DP Iceland Labs
Generated with 3DP Iceland Engineering Platform v70.0.4 DIRECT-IMPACT-METHODOLOGY - Izod and Charpy Methodology
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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/ABS. Every included MaterialID has explicit Public reports opt-in.

Materials compared
2

Overall score available
0

All 8 axes available
0

Engineering-axis leaders in this comparison

Axis	Leading material	Score
Overall	—	n/a
Tensile	Bedrock 3D Standard Black PC/ABS FR Black	30
Impact	—	n/a
Izod	—	n/a
Charpy	—	n/a

Axis	Leading material	Score
Stiffness	Bedrock 3D Standard Black PC/ABS FR Black	77
Consistency	Bedrock 3D Standard Black PC/ABS FR Black	68
Layer adhesion	Eryone Standard White PC/ABS White	27
Thermal	Bedrock 3D Standard Black PC/ABS FR Black	41

Tensile comparison



Stiffness comparison



Thermal comparison



Materials and evidence context

Materiall D	Material	Manufactur er	Product line	Type	Reinforceme nt	Rigid test coverage	Engineering axes
MAT0245	Bedrock 3D Standard Black PC/ABS FR Black	Bedrock 3D	Standard	PC/AB S		Partial; 4/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	5/8
MAT0217	Eryone Standard White PC/ABS White	Eryone	Standard	PC/AB S		Partial; 4/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	5/8

Side-by-side engineering scores

Material ID	Material	Manufacturer	Reinforcement	Rigid coverage	Evidence	Overall	Tensile	Impact	Izod	Charpy	Stiffness	Consistency	Layer adhesion	Thermal	Fixture °C	Method	Thermal limitation	MSRP USD/kg
MAT 0245	Bedrock 3D Standard Black PC/ABS FR Black	Bedrock 3D		Partial; 4/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	5/8	—	30/100	—	—	—	77/100	68/100	4/100	41/100	82 °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.	\$72.96
MAT 0217	Eryone Standard White PC/ABS White	Eryone		Partial; 4/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	5/8	—	16/100	—	—	—	52/100	51/100	27/100	28/100	55 °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.	\$16.50

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-abs/

Score policy engineering-score-v70-1: Overall requires tensile, stiffness, consistency, layer adhesion and the Izod/Charpy impact family, each with equal weight. Both impact methods and configured versioned references are required. Missing results and unconfigured scores remain n/a. Legacy Impact is historical only; thermal remains separate. Engineering-axis counts describe displayed evidence, not Overall completeness.