

PPS Material Family Comparison



3DPiceland Labs
Generated with 3DPiceland 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 PPS. 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	—	n/a
Impact	—	n/a
Izod	—	n/a
Charpy	—	n/a

Axis	Leading material	Score
Stiffness	—	n/a
Consistency	—	n/a
Layer adhesion	—	n/a
Thermal	—	n/a

Materials and evidence context

Material ID	Material	Manufacturer	Product line	Type	Reinforcement	Rigid test coverage	Engineering axes
MAT0273	Polymaker Fiberon PPS-CF10 PPS CF Black	Polymaker	Fiberon	PPS	CF	No native results; 0/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	0/8
MAT0272	Polymaker Fiberon PPS-GF20 PPS GF Gray	Polymaker	Fiberon	PPS	GF	No native results; 0/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	0/8

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
MAT0273	Polymaker Fiberon PPS-CF10 PPS CF Black	Polymaker	CF	No native results; 0/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	0/8	—	—	—	—	—	—	—	—	—	n/a			\$415.66
MAT0272	Polymaker Fiberon PPS-GF20 PPS GF Gray	Polymaker	GF	No native results; 0/5 score families; Izod/Charpy 0/2 measured, 0/2 scored; Overall unavailable: missing measurements or references; policy engineering-score-v70-1	0/8	—	—	—	—	—	—	—	—	—	n/a			\$144.32

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-pps/

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.