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# LUVOCOM® 3F

Additive manufacturing solutions



## LUVOCOM 3F – Product Portfolio

Materials for FFF (Fused Filament Fabrication) and FGF (Fused Granulate Fabrication)

LUVOCOM 3F Materials	Polymer	Modification	Color	Further information
LUVOCOM® 3F PEEK 9581 NT	PEEK	Modified neat	Natural beige	
LUVOCOM® 3F PEEK CF 9676 BK	PEEK	15% CF	Black	
LUVOCOM® 3F PEEK GF 9761 BK	PEEK	30% GF	Black	
LUVOCOM® 3F PEKK 50082 NT	PEKK	Modified neat	Natural beige	
LUVOCOM® 3F PEI 50236 GY	PEI	Modified neat	Grey similar to RAL 7012	Meets UL94 V0 from 0.4mm Meets EN 45545-2 R1 HL3 from 2mm
LUVOCOM® 3F PPS CF 9938 BK	PPS	15% CF	Black	Meets UL94 V0 from 0.4mm Meets EN 45545 R22, R23 HL3
LUVOCOM® 3F PPS GF 50300 BK	PPS	25% GF	Black	
LUVOCOM 3F PAHT® 9825 NT*	PAHT	Modified neat	Natural white	
LUVOCOM 3F PAHT® 9936 BK L*	PAHT	Modified neat	Black	Optimized surface appearance
LUVOCOM 3F PAHT® 50588 BL L	PAHT	Modified neat	Blue	Food contact approved and magnetically detectable
LUVOCOM 3F PAHT® KK 50056 BK FR	PAHT	Ceramic spheres	Black	Meets UL94 V0 from 0.4mm Meets EN 45545 R22, R23 HL3
LUVOCOM 3F PAHT® CF 9742 BK	PAHT	15% CF	Black	
LUVOCOM 3F PAHT® CF 9891 BK*	PAHT	15% CF	Black	Minimized water uptake
LUVOCOM 3F PAHT® CF 9743 BK	PAHT	25% CF	Black	
LUVOCOM 3F PAHT® GK 9874 NT	PAHT	10 % hollow glass spheres	Natural white	
LUVOCOM 3F PAHT® 9826 BK	PAHT	Tribological	Black	
LUVOCOM® 3F PA 50347 NT	PA	Modified neat	Natural white	Sustainable, enabling circular economy
LUVOCOM® 3F PET CF 9780 BK*	PET	15% CF	Black	
LUVOCOM® 3F eco PET 50291 BK	PET	Modified neat	Black	Based on 90% recycled PET
LUVOCOM® 3F TPU 50289 NT	TPU	Modified neat	Natural translucent	Shore A85, high wear resistance
LUVOCOM® 3F TPU CNT 9902 BK	TPU	CNT	Black	Electrically conductive (ESD)
LUVOCOM® 3F PP CF 9928 BK	PP	20% CF	Black	
LUVOCOM® 3F PP 9929 NT	PP	Modified neat	Natural white	
LUVOTECH® 3F eco PC/ABS	PC/ABS	35% GF	Black	Excellent cost/performance ratio. Designed for FGF
LUVOCOM® 3F PLAHT 50593 WT	PLAHT	Modified neat	Natural white	Optimized thermal resistance

\*Available as LUVOCOM 3F Filament in Ø 1.75 and 2.85mm, 750g spools, at [www.nexeo3d.com](http://www.nexeo3d.com) and [www.igo3d.com](http://www.igo3d.com).

Filaments based on our other materials are available globally via filament manufacturers. Please contact us for source of supply.

# Scorecard of 3D printing polymer materials for FFF and FGF

	Polymer	Strength, printed	Stiffness, printed	Impact strength, unreinforced polymer	Vicat softening temperature	HDTA	Chemical resistance	Printability	Heated chamber needed	Price
LEHVOSS Portfolio for FFF and FGF - Unreinforced	PLA <sup>HT</sup>	●●	●○	●●	●●	●●	●	●●●●	No	●○
	PET	●●	●●	●●	●●	●●	●●●	●●●●	No	●●
	PP	●	●	●●	●●	●●	●●●●●	●●●	No	●●
	PA <sup>HT</sup>	●●●	●●	●●●	●●●	●●●	●●●	●●●●	No	●●●
	PEI	●●●●	●●	●●●	●●●●	●●●●	●●●●	●●●	Recommended	●●●●
	PEEK	●●●●	●●	●●●●●	●●●●●	●●●●	●●●●●	●●●	No, but recommended	●●●●●
	PEKK	●●●●	●●	●●●●●	●●●●●	●●●●○	●●●●●	●●●	No, but recommended	●●●●●
LEHVOSS Portfolio for FFF and FGF - Reinforced	PET	●●●	●●●		●●●	●●●	●●●	●●●●●	No	●●
	PP	●●	●●●		●●●	●●○	●●●●	●●●●	No	●●
	PA <sup>HT</sup>	●●●●	●●●●		●●●●	●●●●	●●●	●●●●	No	●●●
	PC/ABS	●●●	●●●		●●●	●●○	●	●●●●	No	●
	PPS	●●●	●●●		●●●●	●●●●	●●●●	●●●●●	No	●●●
	PEEK	●●●●	●●●		●●●●●	●●●●●	●●●●●	●●●	No, but recommended	●●●●●
Commodities	PLA	●	●○	●	●	●	●	●●●●●	No	●
	PETG	●	●	●	●	●	●●	●●●●	No	●
	PA	●	●	●●	●●	●●	●●●	●	Yes	●●

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