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the
3Difference

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
LUVOCOM® 3F PPS GF 50300 BK	PPS	25% GF	Black	Meets EN 45545 R22, R23 HL3
LUVOCOM 3F PA ^{HT} ® 9825 NT*	PA ^{HT}	Modified neat	Natural white	
LUVOCOM 3F PA ^{HT} ® 9936 BK L*	PA ^{HT}	Modified neat	Black	Optimized surface appearance
LUVOCOM 3F PA ^{HT} ® 50588 BL L	PA ^{HT}	Modified neat	Blue	Food contact approved and magnetically detectable
LUVOCOM 3F PA ^{HT} ® KK 50056 BK FR	PA ^{HT}	Ceramic spheres	Black	Meets UL94 V0 from 0.4mm Meets EN 45545 R22, R23 HL3
LUVOCOM 3F PA ^{HT} ® CF 9742 BK	PA ^{HT}	15% CF	Black	
LUVOCOM 3F PA ^{HT} ® CF 9891 BK*	PA ^{HT}	15% CF	Black	Minimized water uptake
LUVOCOM 3F PA ^{HT} ® CF 9743 BK	PA ^{HT}	25% CF	Black	
LUVOCOM 3F PA ^{HT} ® GK 9874 NT	PA ^{HT}	10 % hollow glass spheres	Natural white	
LUVOCOM 3F PA ^{HT} ® 9826 BK	PA ^{HT}	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 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 PLA ^{HT} 50593 WT	PLA ^{HT}	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 and 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 ^{HT}	●●	●○	●●	●●	●●	●	●●●●	No	●○
	PET	●●	●●	●●	●●	●●	●●●	●●●●	No	●●
	PP	●	●	●●	●●	●●	●●●●●	●●●	No	●●
	PA ^{HT}	●●●	●●	●●●	●●●	●●●	●●●●	●●●●	No	●●●
	PEI	●●●●	●●	●●●	●●●●	●●●●	●●●●	●●●	Recommended	●●●●
	PEEK	●●●●	●●	●●●●	●●●●	●●●●	●●●●	●●●	No, but recommended	●●●●
LEHVOSS Portfolio for FFF and FGF - Reinforced	PEKK	●●●●	●●	●●●●	●●●●	●●●●○	●●●●	●●●	No, but recommended	●●●●
	PET	●●●	●●●		●●●	●●●	●●●	●●●●	No	●●
	PP	●●	●●●		●●●	●●○	●●●	●●●●	No	●●
	PA ^{HT}	●●●●	●●●●		●●●●	●●●●	●●●	●●●●	No	●●●
	PC/ABS	●●●	●●●		●●●	●●○	●	●●●●	No	●
	PPS	●●●	●●●		●●●●	●●●●	●●●●	●●●●	No	●●●
Commodities	PEEK	●●●●	●●●		●●●●	●●●●	●●●●	●●●	No, but recommended	●●●●
	PLA	●	●○	●	●	●	●	●●●●	No	●
	PETG	●	●	●	●	●	●●	●●●●	No	●
	PA	●	●	●●	●●	●●	●●●	●	Yes	●●

Europe & Head Office
 Lehmann&Voss&Co. KG
 Alsterufer 19
 20354 Hamburg | Germany
 Phone: +49 40 44 197 250
 Email: info@lehvoss.de

North America
 LEHVOSS North America, LCC
 185 South Broad Street
 Pawcatuck, CT 06379 | USA
 Phone: +1 855 681 3226
 Email: info@lehvoss.de

Asia
 LEHVOSS (Shanghai) Chemical Co., Ltd
 Unit 4805 Maxdo Centre
 8 Xingyi Road, Changning District
 Shanghai 200336 | China
 Phone: +86 21 6278 5186
 Email: info@lehvoss.cn

www.luvocom.com

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