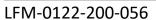
LFM-0122-200-056



ReportNumbe	er:	_0	1														Pro	oje	ect	N	un	nb	er	:						LFN	∕ 1-01	L22-2	200-	056
PartNumber:		L	F٨	/ 1-0	112	22-	20	0-0)5	6							Inc	ηu	iry	N	un	nb	er	:					_	LFN	∕ 1-01	L22-2	200-	056.001
Requirements	::		DO-01										DrawingNumber:														LFM-0122-200-056.idw							
PartTitle:			Tube honeycomb										Visual testing date:														04.05.2022							
												1	Te:	sti	ng	; iı	nfo	or	m	at	io	n												
Test standard	s:	-	D	IN	ΕN	11:	30	18									Pri	nt	tin	g I	pro	oc	ess	s:					_	FDI	M (n	neta	l)	
Test instruction	n:	_	internal										Order specifications:													_	Sintered (external)							
Test scope:		_	100%											Ac	ce	pt	ar	ıce	e r	ule	9:					_	internal							
-			_														_															_		
Test device:		-	Digital vernier caliper Voltcraft LX-10										Testing aids:													_	Lamp, Camera, Lens							
Illuminance m		-					LX	1()								Lux	1 X	me	as	sui	red	a :						_	455				
Measuring de	vice no	o.: -	10	662	28	53																												
					_		_					_					re			_		_											2)	
		/ m]		_	_\	/isu	ıal	ins	peo	tio	n -	do	cur	ner	ta	tio	n a	CC	ord	in,	g t	o D	NIC	EN	13	018	3				Evalu	ation	1 ²⁾	
Exam area	Target [mm]	Scope ¹⁾ / Actual [mm]																					а	q										Remark
	Ta [r	Sco	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	1	115	TIP	117	118	118-a	118-b	201	202	301	302	303		Α	N	۱A	
		1																																
			1				<u> </u>							F	ar	t p	rop	er	rtie	s												T		D. J. C. other core
Outer sphere		ES100	х	х				x		х									>	(Х	But further pro- cessing for paper
2 Drilling		ES100	х																														х	But further pro-
- Initial				 	_											<u> </u>		ł		+														cessing for paper But further pro-
(3) layer		ES100	х	х	L		L									L	\perp																х	cessing for paper
														P	art	di	me	ns	ion	ıs														
Overall diameter		24,80																													Х			
Overall height		15,13																													х			
D3 Hole diameter		6,32																													х			
Legend:																																		
1) ES Exterio					%)			2	-,	Α			•				ts a			•														
S Suppor	rt (e.g. S	0%, S10	0%	5)						NA		R	equ	uire	me	ent	ts a	re	no	<u>t</u> a	CCE	ept	ed											
Surface irregularit 100 General	<u>ies:</u>			10	17 I	ave	er c	lela	mi	nat	ion					1	14	Ra	ad c	or	ne	rc							_			<u>ularit</u> infill	ies:	
101 Rough surface		107 Layer delamination 108 Curling											114 Bad corners 115 Bad overhangs														201 False infill 202 Defect infill							
102 Blobs on surfa)9 V		•	_									16																	
103 Over extrusion					10 (_								117								6								<u>ities:</u>	
104 Under extrusion	on				11 L	-			_		ıctı	ıro	-				118		ıme	ns										301 Clogged extruder 302 Broken filament				
105 Gaps in Walls 106 Stringing					12 E 13 N							ures	•				L18- L18-)ve		ize e										nesion
								•																							•			

Appendix XYES / NO (Description/Pages)	General test instructions, acceptance rule, part properties/ 2 pages
Remarks:	 Parts were safely packed Clear defects visible after sintering Some elements broke off during sintering Further processing of defective parts for validation of the documentation process





	Checked		Rated	Customer release (if requested)
Name:	Inspector #1	Name:	Production manager	Name:
Test location:	Test area			
Date:	04.05.2022	Date:	04.05.2022	Date:
Signature:	XXX	Signature:	XXX	Signature:

Doc.-No.: DO-06 Rev.-No.: 0 Page 2 of 4

LFM-0122-200-056



Appendix

General view after re-	Part images for final quality control
Acceptance rule	 There is currently no existing standard for 3D printing that defines the possible irregularities and limits for evaluation. For this reason, only internal evaluation standards can be used. The acceptance of the examinations here is based on the individual assessment of the examiner.
Test instruction	 The assessment and evaluation must be carried out by experienced and trained personnel. Visual inspection after receiving the part from the sintering service provider. The surfaces must be free of any coating, dirt, dust, powder etc. The testing/ inspection is carried out in daylight or under artificial light. The illuminance during the test must be at least 350lx, 500lx is recommended.

Doc.-No.: DO-06 Rev.-No.: 0 Page 3 of 4

LFM-0122-200-056



View under test conditions

View of the defects

View of the defects (if occurred)

Rough surface with defects, waves and gaps

