Laboratory Test Results

Production site:	**Amann & Soehne GmbH & Co. KG**
PART NUMBER:	**n/a**
PART NAME:	**Strongfil +40**
Raw material:	**PA continuous filament**
Colour / Batch:	**0020Z**
Year:	

[1] geprüft gemäß Amann-Requalifizierungskonzept (keine Prüfwerte bzw. keine Limits vorhanden) / tested according AMANN Requalification Concept (no test values or specification limits available)
[2] keine Limits vorhanden, Test wird durchgeführt / no limits available, test is carried out
[3] Merkmal nicht Teil der Spezifikation / characteristic is not a part of specification
[4] Prüfung gemäß Standard DIN EN ISO 105-B06 / test carried out according standard DIN EN ISO 105-B06

					initial sampling CDE 114474 GZZXG 2019		CDE not requested 2020		CDE not requested 2021		CDE 279242 SLDCS 2022		CDE 316755 XLYSD 2023	
					FORD	Amann	FORD	Amann	FORD	Amann	FORD	Amann	FORD	Amann
DIMENSION	**Charac teristic**	**STANDARD**	**Test Equipment**	**Typ**	**WSS-M8P25-C Rev.0 29.02.2016**	**Amann Spec. 201612213 Rev.1 18.07.2018**	**WSS-M8P25-C Rev.0 29.02.2016**	**Amann Spec. 201612213 Rev.1 18.07.2018**	**WSS-M8P25-C Rev.0 29.02.2016**	**Amann Spec. 201612213 Rev.1 18.07.2018**	**WSS-M8P25-C Rev.0 29.02.2016**	**Amann Spec. 201612213 Rev.1 18.07.2018**	**WSS-M8P25-C Rev.0 10.03.2022**	**Amann Spec. 201612213 Rev.1 18.07.2018**
linear thread density	tex	DIN EN ISO 2060	yarn reel, scale	specification limit	[2]	72,0 - 87,0	[2]	72 - 87	[2]	72 - 87	[2]	72,0 - 87,0	[2]	72,0 - 87,0
				test result				-		-	80,4	80,4	79,6	79,6
number of plies	numb.	DIN EN ISO 2060		specification limit	3	3	3	3	3	3	3	3	3	3
				test result	3	3	-	-	-	-	3	3	3	3
tensile strength	cN	DIN EN ISO 2062	tensile tester	specification limit	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600
				test result	5064	5064	-	-	-	-	5092	5092	5092	5092
tensile strength spool for ageing test	cN	DIN EN ISO 2062	tensile tester	specification limit	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600	≥ 4400	4500 - 5600
				test result	5061	5061	-	-	-	-	5168	5168	5074	5074
tensile strength after UV exposure	%	FLTM BO 116-01, 225,6 kJ/m², DIN EN ISO 2062	tensile tester	specification limit	≥ 70	[1]	≥ 70	[1]	≥ 70	[1]	≥ 70	[1]	[2]	[1]
				test result	100	-	-	-	-	-	96	-	4716	-
tensile strength after heat ageing	%	7 days at 100°C, DIN EN ISO 2062	xenontester, tensile tester	specification limit	≥ 70	[1]	≥ 70	[1]	≥ 70	[1]	≥ 70	[1]	≥ 70	[1]
				test result	99	-	-	-	-	-	98	-	4945	-
elongation at break	%	DIN EN ISO 2062	tensile tester	specification limit	≥ 12	23 - 37	≥ 12	23 - 37	≥ 12	23 - 37	≥ 12	23 - 37	≥ 12	23 - 37
				test result	31	31	-	-	-	-	32	32	27	27
snarl value (Twist Balance)	T/m	Amann test method WI-0181-12-039		specification limit	≤ 2	[1]	≤ 2	[1]	≤ 2	[1]	≤ 2	[1]	≤ 2	[1]
				test result	0	-	-	-	-	-	-	-	0	-
resistance to fade	note	FLTM BO 116-01, 225,6 kJ/m², DIN EN ISO 2062	xenontester	specification limit	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]
				test result	4 - 5	-	-	-	-	-	4 - 5	-	4 - 5	-
heat ageing	note	AATCC Evaluation Procedure 1, 7 days at 100°C, DIN EN 20105-A02	xenontester	specification limit	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]	≥ 4	[1]
				test result	4 - 5	-	-	-	-	-	4 - 5	-	4	-
fastness to rubbing, dry, staining	note	FLTM BN 107-01, AATCC Evaluation Procedure 2	crockmeter	specification limit	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4	≥ 4
				test result	4 - 5	4 - 5	-	-	-	-	5	5	4	4
fastness to rubbing, wet, staining	note	FLTM BN 107-01, AATCC Evaluation Procedure 2	crockmeter	specification limit	≥ 4	≥ 4 - 5	≥ 4	≥ 4 - 5	≥ 4	≥ 4 - 5	≥ 4	≥ 4 - 5	≥ 4	≥ 4 - 5
				test result	4 - 5	4 - 5	-	-	-	-	5	5	5	5

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2019	2020	2020	2022	2023
Signature 1	**Signature 1**	**Signature 1**	**Signature 1**	**Signature 1**
i. A. C. Ullrich			i. A. A. Ziebert	i. A. L. Balde
Quality Assurance	Quality Assurance	Quality Assurance	Quality Assurance	Quality Assurance
date 16.04.2019	date	date	date 18.08.22	date 15.05.23

Signature 2	**Signature 2**	**Signature 2**	**Signature 2**	**Signature 2**
			i. A. E.Puiulet	i. A. E. Puiulet
Quality Assurance	Quality Assurance	Quality Assurance	Quality Assurance	Quality Assurance
	date	date	date 22.08.22	date 07.06.23