

TRANSLATOR CERTIFICATION

I, Irina Hinrichs, pursuant to 28 U.S.C. § 1746, hereby declare under penalty of perjury that the following is true and correct:

1. I am fluent in both the German and English languages.
2. I am a professional translator of German into English.
3. The attached English translation of “2006-02-27 Quality Agreement” is, to the best of my knowledge and belief, a true, correct and complete translation of the source document.
4. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. I understand that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. § 1001).

July 25, 2024

Date



Irina Hinrichs

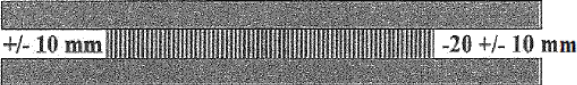
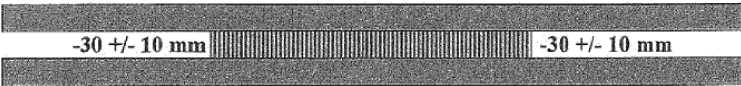
BUERGOFOL GmbH Jahnstraße 10-14 D-93354 Siegenburg Phone: 09444/9791-0 Fax: 09444/9791-55		QUALITY MANAGEMENT Quality agreement VA title Preliminary packaging material specification		Attachment: A1/01 VA 7.2.0 04/01 Created: QM Issue: Feb. 15, 2006 Date: 02/27/2006 Page: 1 of 6	
Packing material specification "Sewer rehabilitation 20/80-40/160 µm" Contact person. Communication, correspondence, Q-request, Q-recording, document sample/reserve sample, test certificate coexfilm, complaint procedure, ...				DIN-EN-ISO-9001/2000 HACCP and BRC-IoP certified Subject to change management	
Customer		Film type			
Saertex multiCom GmbH		3-layer: PA/HV/PE or 5-layer: PA/HV/PA/HV/PE			
Address:		D-48369 Saerbeck Brochterbecker Damm 52 Phone: 02574 / 902-400			
Distributor:		Saertex multiCom GmbH, GL/QM/Dr. Schleicher/QSL/EX/AV			

§1	<u>Contact person</u>		
	Contact person	Function/Phone:	Task
	Mr. Dr. Alexander Saertex multiCom GmbH	Managing Director Phone: 02574/902400	Main contact person Business relationship
	Mr. Manfred Boyer Saertex multiCom GmbH	Quality assurance Development Phone: 02574/902430	Technical feasibility Contact for product development, quality management, complaints processing
	Mr. Jürgen Schabbehard BUERGOFOL GmbH	Sales management Phone: 09444/9791-129	Main contact person Business relationship
	Mr. Robert Reuschel BUERGOFOL GmbH	Sales-Inland-Internal Service Phone: 09444/9791-128	Order processing, correspondence and all administrative processes
	Mr. Dr. Abdel-Kader Boutrid BUERGOFOL GmbH	QM/Quality Officer Phone: 09444/9791-150	Technical feasibility Clarification of all technical details with Saertex multiCom GmbH, product development, sample order, corrective measures, ...
	Release Management Saertex multiCom GmbH	Stamp	Release Management BUERGOFOL GmbH
	signature [signature]		signature [signature]
	Managing Director Dr. Alexander		Managing Director Dr. Franz Schleicher
	Release QM Saertex multiCom GmbH		Release QM BUERGOFOL GmbH
	Signature [signature]		Signature [signature]

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§2	Quality requirements / quality-relevant criteria									
	Test characteristic				Unit	Toleranc e	Target value	Test specification		
2.1	Total film thickness:				µm	+/- 15%	Table 1	in acc. with DIN 53370		
	Coexfilm single starch:				µm	+/-20%*	Table 1	in acc. with DIN 53370		
	* With a PA thickness of 20µm, a tolerance of +/- 30% is necessary for technical reasons.									
2.2	Transverse tensile force				N/15mm	Table 2	--	in acc. with DIN EN ISO 527		
2.3	Elongation at break (Test strip width: 15 mm)				%	>= 300	--	in acc. with DIN EN ISO 527		
2.4	Melting point definition Determination of the therm. consistency							PA_QSL_18/01		
	PE				°C	+/-5°C	110	DSC method		
	PE				°C	+/-5°C	118	DSC method		
	PA				°C	+/-5°C	195	DSC method		
	PA				°C	+/-5°C	219	DSC method		
2.5	Roll length (tube + flat film) per 100 serial meters order quantity + 5 serial meters of excess length				m	+5/-0	Note 1	Recording serial meters		
2.6	Flat width (hose) up to flat width 800 mm. from flat width 801 mm				mm mm	+/-5 +1-7	<=800 >=801	Width control Width control		
2.7	Stippling in PA layer									
	Size				mm	< 0.5	0	in acc. with DIN EN ISO 527		
	Elongation				%	>= 300	--	in acc. with DIN EN ISO 527		
	Tractive force				N/15mm	Table 2	--	527		
	Stippling in PE layer									
	Size				mm	<2 mm	0	in acc. with DIN EN ISO 527		
	Elongation				%	>=300	--	in acc. with DIN EN ISO 527		
	Tractive force				N/15mm	N/15mm	--	527		
Table 1										
	Flat widths/m	1.51-1.80	1.50-1.31	1.30-1.21	1.20-1.11	1.10-1.01	1.00-0.91	0.9-0.81	0.80-0.70	0.70-0.20
	Structure PA/PE / µm	20/80	40/60	40/80	40/100	40/110	40/120	40/130	40/140	40/160
Table 2										
	Structure PA/PE/ µm	20/80	40/60	40/80	40/100	40/110	40/120	40/130	40/140	40/160
	Tolerance in N/15 mm	>=20	>=25	>=25	>=30	>=32	>=35	>=37	>=40	>=45
Note 1										
When submitting an order, Saertex multiCom GmbH undertakes to always state the order quantity in serial meters, which will be invoiced commercially, and the final serial meter length, which will be included in the production documents.										
Order quantity + X times the tolerance in serial meters = final serial meter length										
	Example	250 m	+	12.5 m						= 262.5 m

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	The defined tolerances according to 2.1 - 2.7 must be adhered to 100% for all measured values. BUERGOFOL GmbH undertakes to comply with these limit values and to state the determined values in the acceptance test certificate without specifying the tolerance. BUERGOFOL GmbH grants a 12-month guarantee on the delivered goods from the date of manufacture.			
2.8	<u>Inspection certificate according to DIN EN-10204-3.1</u> BUERGOFOL GmbH undertakes to check all test characteristics for each production order/no. which are shown as a result (actual / target) in the acceptance test certificate for Saertex multiCom GmbH. All relevant product data is listed for clear allocation.			
	Test characteristic	Unit	Testing effort	Details
	Total film thickness	µm	per width	Actual/target
	Film thickness PA/PE single layer	µm	per width	Actual / target
	Mass per unit area	g/m ²	per width	Actual/target
	Tensile test across edge [redacted] Force Elongation	N/15 mm % °C	per production run per production run per production campaign	Actual Actual Actual
	Melting points of PA/PE Production run: Different widths in one thickness and the same recipe on one extruder within one order number			
	Production campaign: Production within one order number in different widths and thicknesses on one extruder, without interruption and with the same recipe.			
§3 3.1	<u>Quality requirements / roll equipment / packaging</u>			
	Test characteristic	Hose width mm	Feed film thickness µm	Inlet film width in relation to hose width mm
	Inlet film thickness for the hose insert	>439	100-140	-40 mm +/- 10 mm
		450-700	80-100	-40 mm +/- 10 mm
		> 700	60-80	-60 mm +/- 10 mm
		>= 1050	No inlet film possible	none
	<u>Feed film centering in the roll:</u> Hose width <=700 mm Feed film  Hose width >700 mm Feed film  The following points must be observed - are centered and without a winding idler on the end faces of the rollers. - are present in all the hose windings of the rollers without interruption. - without splice, i.e., with equivalent winding length in the rolls.			

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	BUERGOFOL GmbH undertakes to recognize these customer tolerance limits as orientation guide values and to comply with them insofar as this is technically feasible on our production facilities. However, if it is necessary for technical reasons (changes in width, profile thickness, core windings on cores without supply film, or other production events) to deviate from the orientation tolerances of the supply film during ongoing production, or to dispense with the use of a supply film altogether, e.g., for reasons of tube wrinkling, etc., BUERGOFOL GmbH will not recognize a complaint on the part of Saertex multiCom in the event of a complaint. <u>In the event of non-compliance, the OS of Saertex multiCom GmbH informs.</u> Saertex multiCom GmbH's QA department then immediately decides which supply film is to be used with which performance or whether no supply film is to be used. BUERGOFOL GmbH points out that production stoppages and interruptions will necessitate a recalculation of the pricing calculation and invoicing										
3.2	Test characteristic	Type of packaging material/application	Tolerance or function								
	Dleeve core:	Cardboard winding tube	Ø 152 mm/6 inch								
	Roll packaging:	Bubble wrap plastic film-white front edges ring cardboard protection	Hose edge protection Light UV protection Hose edge protection								
	Role positioning: on pallet	with cardboard pallet liners, ...	Store rollers lying on the front edge, not on the edge of the hose								
	The contents of Table 3.2 are stored in the EDP packaging instructions of BUERGOFOL GmbH instructions of BUERGOFOL GmbH										
§4	<u>Minimum quantity definition for production campaigns</u>										
	<table><tr><th>Hose width mm</th><th>Minimum order quantity serial meters</th></tr><tr><td>< 450</td><td>3750</td></tr><tr><td>>= 450</td><td>7500</td></tr><tr><td>from 1050</td><td>3750</td></tr></table>		Hose width mm	Minimum order quantity serial meters	< 450	3750	>= 450	7500	from 1050	3750	
	Hose width mm	Minimum order quantity serial meters									
< 450	3750										
>= 450	7500										
from 1050	3750										
§5	<u>Reserve pattern of BUERGOFOL GmbH</u> BUERGOFOL GmbH undertakes to file at least one reserve sample of all order items/order numbers, even if partial order production is carried out over several production cycles. The reserve sample is stored at BUERGOFOL GmbH for 12 months.										

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§6	<u>Submission of complaint samples by Saertex multiCom GmbH</u>		
	As part of the incoming inspection, which only takes place shortly before the film is used, the elongation (5% to check the production edges / 30% to assess splice formation) is checked and the film is visually inspected along its entire length by camera and employee. Reasons for complaint are, - if defects are visible in the edge area at 5 % elongation. - if the maximum test elongation of 30% is not reached or the splice formation starts too early. - Detection of other defects that are outside the tolerance. The detected defects are marked. These areas are cut out by Buergofol GmbH and checked in accordance with §7. If the film does not reach 5% during the elongation test by SAERTEX multiCom, i.e., the film bursts in the production edge area, the complaint must be accepted. BUERGOFOL GmbH grants a 12-month guarantee on the delivered goods from the date of manufacture.		
§7	<u>Processing of complaints by BUERGOFOL GmbH</u>		
	Reason for complaint	Inspection characteristic (*)	Tolerances to be observed
	Defects in / on the production edge	Structure elongation / tensile force	according to 2.1 according to 2.2/2.3
	Stippling	Structure Size / elongation / tensile force	according to 2.1 according to 2.7
	Defects in the flat area, e.g., nozzle lines, creases	Structure elongation / tensile force	according to 2.1 according to 2.2/2.3
	Strong adhesion of the film to the laminate after curing	Melting point	according to 2.4
	(*) Since in many cases the performance of a test (e.g., microtome section) makes it impossible to perform a further test (e.g., tensile test), a decision is made on a case-by-case basis after receipt of the hose samples complained about in the laboratory at BUERGOFOL GmbH QA as to which test must be used for defect detection or risk assessment. As far as possible, all relevant test characteristics are tested according to the table. If a test result deviates from the tolerances to be complied with, the complaint must be acknowledged.		
§8	<u>Production and validation of development samples</u>		
	Development goals: - Higher elongation with the same high tensile strength compared to the standard currently used. - Considerably improved edge stability and reduction of buckling fractures in edges for all layer thicknesses. - Shelf life of the film in the impregnated liner: Up to half a year.		

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	- Shelf life of the film tubes: Desired period: 2-3 years after extrusion and delivery for stockpiling for order-related preparation and application. BUERGOFOL GmbH undertakes to continue to invest in this future-oriented technology through standard optimization and new formulations based on new raw materials until further notice and to work together with Saertex multiCom GmbH to plan, manufacture, verify and externally validate new development samples.
	Sample planning: - SAERTEX multicom/BUERGOFOL development team Development pattern examination/BUERGOFO L: - Development laboratory BUERGOFOL GmbH. Determination of the verification results for the standard comparison. Development pattern test/Saertex: - SAERTEX multiCom GmbH development laboratory. Determination of the verification results for standard comparison and by hose installation in original test pipes at SAERTEX multiCom GmbH Release: - SAERTEX multicom/BUERGOFOL development team with possible specification adaptation.
§9	The General Terms and Conditions of Sale and Delivery of BUERGOFOL shall apply. In the event of quality deviations/complaints, the stipulated points of this quality agreement apply