

PART SUBMISSION WARRANT

Part Name <u>Coroplast 835 X</u>	Cust. Part Number <u>835X</u>
Shown on Drawing No. <u>ES-KU5T-1A303-AA (D10Y03)</u>	Org. Part Number <u>151613</u>
Engineering Drawing Change Level <u>AELE-E-12982958-558</u>	Dated <u>2018-01-23</u>
Additional Engineering Changes <u>n.a</u>	Dated <u>n.a</u>
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No. <u>n.a</u> Weight (kg) <u>approx. 0.25 kg/m²</u>
Checking Aid No. <u>n.a</u>	Checking Aid Engineering Change Level <u>n.a</u> Dated <u>n.a</u>

ORGANIZATION MANUFACTURING INFORMATION

Coroplast Tape DUNS-ID: 315937730

Organization Name & Supplier/Vendor Code Wittener Straße 271

Street Address Wuppertal 42279 Germany

City Wuppertal Region 42279 Postal Code Germany

CUSTOMER SUBMITTAL INFORMATION

Nursan Kablo Donanımları San. ve Tic. A.Ş.

Customer Name/Division Nadiye Barutcu

Buyer/Buyer Code various / Harness tape

Application various / Harness tape

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/a

Submitted by IMDS or other customer format: 144511863

test-report-no.: F-2022/0587

Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☒ No ☐ n/a

REASON FOR SUBMISSION (Check at least one)

<input checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts Produced at Additional Location
<input type="checkbox"/> Tooling Inactive > than 1 year	<input type="checkbox"/> Other - please specify below

REQUESTED SUBMISSION LEVEL (Check one)

☐ Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.

☒ Level 2 - Warrant with product samples and limited supporting data submitted to customer.

☐ Level 3 - Warrant with product samples and complete supporting data submitted to customer.

☐ Level 4 - Warrant and other requirements as defined by customer.

☐ Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location

SUBMISSION RESULTS

The results for ☒ dimensional measurements ☒ material and functional tests ☐ appearance criteria ☐ statistical process package

These results meet all design record requirements: ☒ Yes ☐ NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process _____

DECLARATION

I affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of ____*____/____8____ hours using ____2____ production streams. I also certify that documented evidence of such compliance is on file and is available for review. I have noted any exceptions from this declaration below.

EXPLANATION/COMMENTS: * Our adhesive tapes are produced in multistage processes.
* Depending on production step there are installments of 2000m² to 20000m².

Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/a

Organization Authorized Signature i.V. [Signature] Date 21.10.2022

Print Name Ms. Marita Helzer Phone No. +49 202 2681 - 480 FAX No. +49 202 2681 380

Title Sales E-mail marita.helzer@coroplast-tape.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

Part Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other _____

Customer Signature _____ Date _____

Print Name _____ Customer tracking number (optional) _____

Production Part Approval Material Test Results

Page 2 of 6

Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number 835X
Part Name Coroplast 835 X

Type of test	Material spec. No. / Date / Specification	Supplier measurement results	Okay	Not okay
1.	Carrier			
	PET cloth	PET cloth	X	
2.	Color			
	Black	Black	X	
3.	Adhesive			
	Acrylic	Acrylic	X	
4.	Temperature range			
	Class D, -40°C to +150°C	Class D, -40°C to +150°C	X	

Signature

Title

Date

see page 1

Quality Department 21.10.2022

Production Part Approval

Performance Test Results

Page 4 of 6

Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number 835X
Part Name Coroplast 835 X

Ref. No.	Requirements	Test-frequency	Qty. tested	Supplier test results and test conditions	Okay	Not okay
5.1.	Tensile strength					
	> 20 N/cm	1	3	72.6 N/cm - 76.3 N/cm	X	
5.2.	Elongation					
	> 10 %	1	3	41 % - 43 %	X	
5.3.	Adhesion to steel					
	≥ 1.5 N/cm	1	3	5.89 N/cm - 6.73 N/cm	X	
5.4.	Adhesion to backing					
	≥ 1.5 N/cm	1	3	2.21 N/cm - 3.54 N/cm	X	
7.3.	Bundling Performance and Material Compability					
7.3.1.	Initial					
	okay	1	1	okay	X	
7.3.2.	Env. Cycling					
	okay	1	5	okay	X	
7.3.3.	Heat Aging [with FEP-wire]					
	Class B, 500h	1	3	okay	X	
	Class B, 1000h	1	3	okay	X	
	Class B, 1500h	1	3	okay	X	
	Class B, 2000h	1	3	okay	X	

Signature

see page 1

Title

Quality Department

Date

21.10.2022

Production Part Approval

Performance Test Results

Page 5 of 6

Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number 835X
Part Name Coroplast 835 X

Ref. No.	Requirements	Test-frequency	Qty. tested	Supplier test results and test conditions	Okay	Not okay
	Class B, 2500h	1	3	okay	X	
	Class B, 3000h	1	3	okay	X	
7.3.	Thermal overload					
	6 h/150°C, okay	1	5	okay	X	
7.3.	Material Compatibility					
	okay	1	5	okay	X	
7.4.	Fluid resistance					
	Battery Acid okay	1	3	okay	X	
	Windshield Washer okay	1	3	okay	X	
	Engine Coolant okay	1	3	okay	X	
	Brake Fluid okay	1	3	okay	X	
	Gasoline okay	1	3	okay	X	
	Diesel Fuel okay	1	3	okay	X	
	E85 Ethanol okay	1	3	okay	X	
	Transmission Fluid okay	1	3	okay	X	
	Power Steering Fluid okay	1	3	okay	X	
	Engine Oil okay	1	3	okay	X	
	Engine Cleaner okay	1	3	okay	X	

Signature

Title

Date

see page 1

Quality Department 21.10.2022

Production Part Approval

Performance Test Results

Page 6 of 6

Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number 835X
Part Name Coroplast 835 X

Ref. No.	Requirements	Test-frequency	Qty. tested	Supplier test results and test conditions	Okay	Not okay
	Salt spray okay	1	3	okay	X	
7.5.	Cold Flexibility					
	4 h/-40°C, okay	1	3	okay	X	
7.6.	Fogging					
	> 20	1	3	97	X	
7.7.	Flammability					
	≤ 100 mm/min					
	PVC - wire	1	3	self-extinguishing	X	
	PP - wire	1	3	self-extinguishing	X	
	X-PE - wire	1	3	self-extinguishing	X	
7.8.	Odor Rating					
	≤ 2	1	3	conform	X	
7.10	Noise Dampening					
	Category 0, 0 to ≤ 2 dB(A)	1	3	Category 0, 1.4 dB(A)	X	
7.11	Abrasion Resistance					
	Category 3, 1000 - 4999 double strokes	1	3	Category 3, 2313 double strokes	X	

Signature

Title

Date

see page 1

Quality Department 21.10.2022