

PART SUBMISSION WARRANT

Part Name Coroplast 880 Cust. Part Number Y880
 Shown on Drawing No. ES-KU5T-1A303-AA (B10N43) Org. Part Number 48501
 Engineering Drawing Change Level AELE-E-12982958-558 Dated 2018-01-23
 Additional Engineering Changes n.a Dated n.a
 Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. n.a Weight (kg) approx. 0.34 kg/m²
 Checking Aid No. n.a Checking Aid Engineering Change Level n.a Dated n.a

ORGANIZATION MANUFACTURING INFORMATION

Coroplast Tape DUNS-ID: 315937730
 Organization Name & Supplier/Vendor Code
 Wittener Straße 271
 Street Address
 Wuppertal 42279 Germany
 City Region Postal Code Country

CUSTOMER SUBMITTAL INFORMATION

Nursan Kablo Donanımları San. ve Tic. A.Ş.
 Customer Name/Division
 Nadiye Barutcu
 Buyer/Buyer Code
 various / Harness tape
 Application

MATERIALS REPORTING

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

Submitted by IMDS or other customer format: 2165606

test-report-no.: F-2022/0584

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.  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 Y880
Part Name Coroplast 880

Type of test	Material spec. No. / Date / Specification	Supplier measurement results	Okay	Not okay
1.	Carrier			
	PA velour	PA velour	X	
2.	Color			
	Black	Black	X	
3.	Adhesive			
	Synthetic rubber	Synthetic rubber	X	
4.	Temperature range			
	Class B, -40°C to +100°C	Class B, -40°C to +100°C	X	

Signature

Title

Date

see page 1

Quality Department 21.10.2022

Production Part Approval Dimensional Test Results

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Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number Y880
Part Name Coroplast 880

Item	Dimension / Specification	Supplier measurement results	Okay	Not okay
1.	Thickness [DIN EN 1942]			
	1.0 mm \pm 0.2 mm	1.13 mm - 1.19 mm	X	
2.	Width [CTM 312]			
	19 mm \pm 1 mm	18.7 mm - 19.0 mm	X	
3.	Length [CTM 312]			
	5 m \pm 2%	4.9 m - 5.1 m	X	

Signature

Title

Date

see page 1

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Production Part Approval

Performance Test Results

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Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number Y880
Part Name Coroplast 880

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	198.4 N/cm - 226.1 N/cm	X	
5.2.	Elongation					
	> 10 %	1	3	63 % - 72 %	X	
5.3.	Adhesion to steel					
	≥ 1.5 N/cm	1	3	5.47 N/cm - 5.92 N/cm	X	
5.4.	Adhesion to backing					
	≥ 1.5 N/cm	1	3	7.40 N/cm - 7.88 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

Title

Date

see page 1

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Performance Test Results

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Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number Y880
Part Name Coroplast 880

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

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see page 1

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Production Part Approval

Performance Test Results

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Supplier Coroplast Tape, Wittener Straße 271, D - 42279
Name of laboratory Coroplast BQ
Part Number Y880
Part Name Coroplast 880

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	53	X	
7.7.	Flammability					
	≤ 100 mm/min					
	PVC - wire	1	3	41 mm/min	X	
	PP - wire	1	3	47 mm/min	X	
	X-PE - wire	1	3	41 mm/min	X	
7.8.	Odor Rating					
	≤ 2	1	3	conform	X	
7.10	Noise Dampening					
	Category 4, > 15 dB(A)	1	3	Category 4, 17.8 dB(A)	X	
7.11	Abrasion Resistance					
	Category 3, 1000 - 4999 double strokes	1	3	Category 3, 1546 double strokes	X	

Signature

Title

Date

see page 1

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