Part Submission Warrant

Part Name: RETAINER WIRE TAPE ON
Cust. Part Number: DU5T-14E044-EA
Shown on Drawing No. 164452-0-01
Org. Part Number: 164452001
Engineering Change Level: Bc
Dated: 03.12.2015
Additional Engineering Changes:
Dated:

Safety and/or Government Regulation: ☐ Yes ☑ No Purchase Order No. Weight (kg): 0,0022
Checking Aid No: Checking Aid Engineering Change Level Dated:

ORGANIZATION MANUFACTURING INFORMATION

A.Raymond Jablonec s.r.o. 49-504-2616
Organization Name & Supplier/Vendor Code
Čs.Armády 27
Street Address
Jablonec nad Nisou 466 05 Czech republic
City Region Postal Code Country

CUSTOMER SUBMITTAL INFORMATION

Nursan Elektrik Donanım San. ve Tic. A.Ş.
Customer Name/Division
Nadiye BARUTÇU
Buyer/Buyer Code
Application

MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? ☑ Yes ☐ No ☐ n/a
Submitted by IMDS or other customer format: IMDS ID - 491880806

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

REASON FOR SUBMISSION (Check at least one)

- ☑ Initial Submission
- ☐ Engineering Change(s)
- ☐ Tooling: Transfer, Replacement, Refurbishment, or additional
- ☐ Correction of Discrepancy
- ☐ Tooling Inactive > Than 1 year
- ☐ Change to optional Construction or Material
- ☐ Supplier or Material Source Change
- ☐ Change in part Processing
- ☐ Parts Produced at Additional Location
- ☐ 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 organization´s manufacturing location

SUBMISSION RESULTS

The Result 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 16

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 32000 / 8 hours.
I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.

EXPLANATION/COMMENTS: A. Raymond considers the FMEA proprietary and our policy is not distribute it but make it available for review in our plant.

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

Organization Authorized Signature Date 14.03.2023
Print Name Winterova, Lenka Phone No. FAX No.
Title Quality engineer E-mail: Lenka.Winterova@araymond.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other
Customer Signature: Date:
Print Name: Customer Tracking Number (optional):

PSW no. : 038175

GENERAL CONDITIONS OF PARTS USAGE

This document provides basic information for correct useage of parts manufactured by the company

To achieve required mechanical properties, some parts are water conditioned. Before using the parts, it is necessary to store these parts in closed bags, see figure 1. We recommend resealing the bags after 8 hours (maximum) of open condition to maintain its mechanical properties.

The figure 1 Water conditioned parts

Parts with film hinges

Thin surfaces (see figure 2) of film hinges can become fragile during cold weather months, such as on winter season. Consequently, parts' breaking on this area maybe observed therefore we recommend before using them to heat them (20-25°C / 48 h).

For parts manufactured with polypropylene (PP) material a whitening of the material on the area when flex or bend may appear. This whitening condition is not a defect nor does it affect the fit and function.

The figure 2 Parts with film hinges

Small visual defects

Parts which have prescribed tread pattern and appearance can appear small visual defects (like burr/flash, ejector mark, parting line, burn, spots, short shot/not completely moulded, sink marks, see figure 3 to 9), these types of defects do not have negative impact for proper part usage.

The figure 3 Burr/flash

The figure 4 Ejector marks and burrs

The figure 5 Parting line

The figure 6 Burn

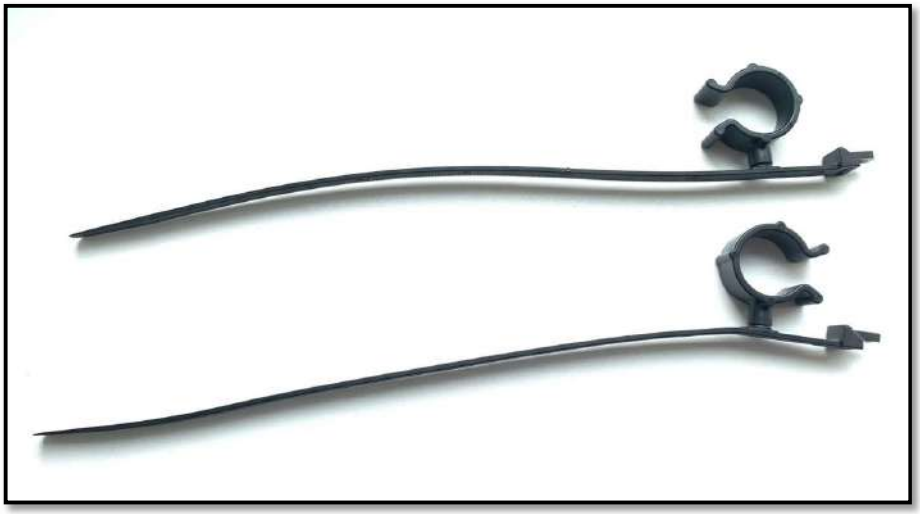
The figure 7 Spots

The figure 8 Short shot/not completely moulded

The figure 9 sink marks

Assembled swivel clips

During the transport of the part can happen that clip will turn, (regarding the drawing), this is given by property of the part which is revolving according to its axis, see picture 10. Also, the straps can lightly bend because of transport and they will not be straight → even this is not the defect and it does not influence the function of the product, see figure 10.



The figure 10 swivel clips

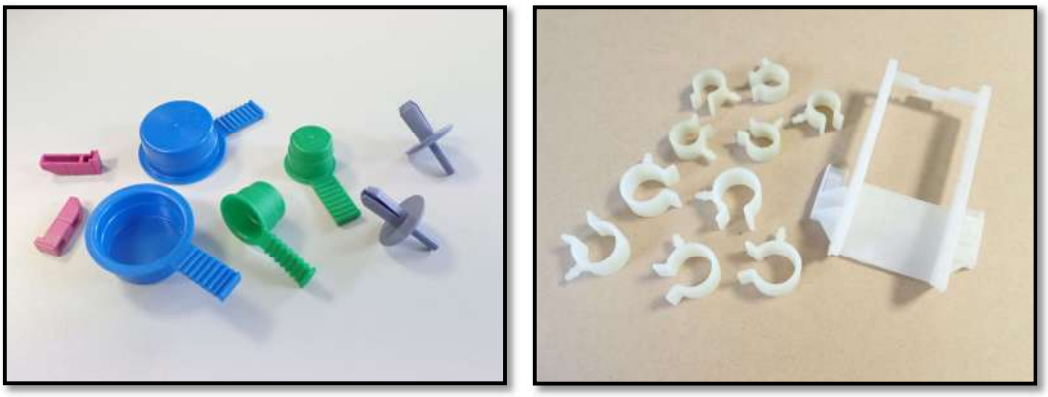
Sprues in packaging

Despite maximum trying to separate sprues system from completed parts can happen appearing of sprues in the final packaging, see figure 11.

The figure 11 Sprues in packaging

Color of parts

For parts that have not been defined with shade of color by RAL or others agreed standards, are parts delivered in general range according to the color defined in the drawing (natural color, black, etc.), see figure 12. In case that the customer uses a camera for part presence inspection, the customer must notify the manufacturer prior to implementing vision camera system.



The figure 12 Parts colors

Parts application

Customers must use the parts as specified on the drawing (see figure 13). In the case of using parts on a different specification, A.Raymond Jablonec can do informative parts testing.

Nekotovane rozmery prevzit z 3D modelu
Missing dimensions have to be taken
from 3D data

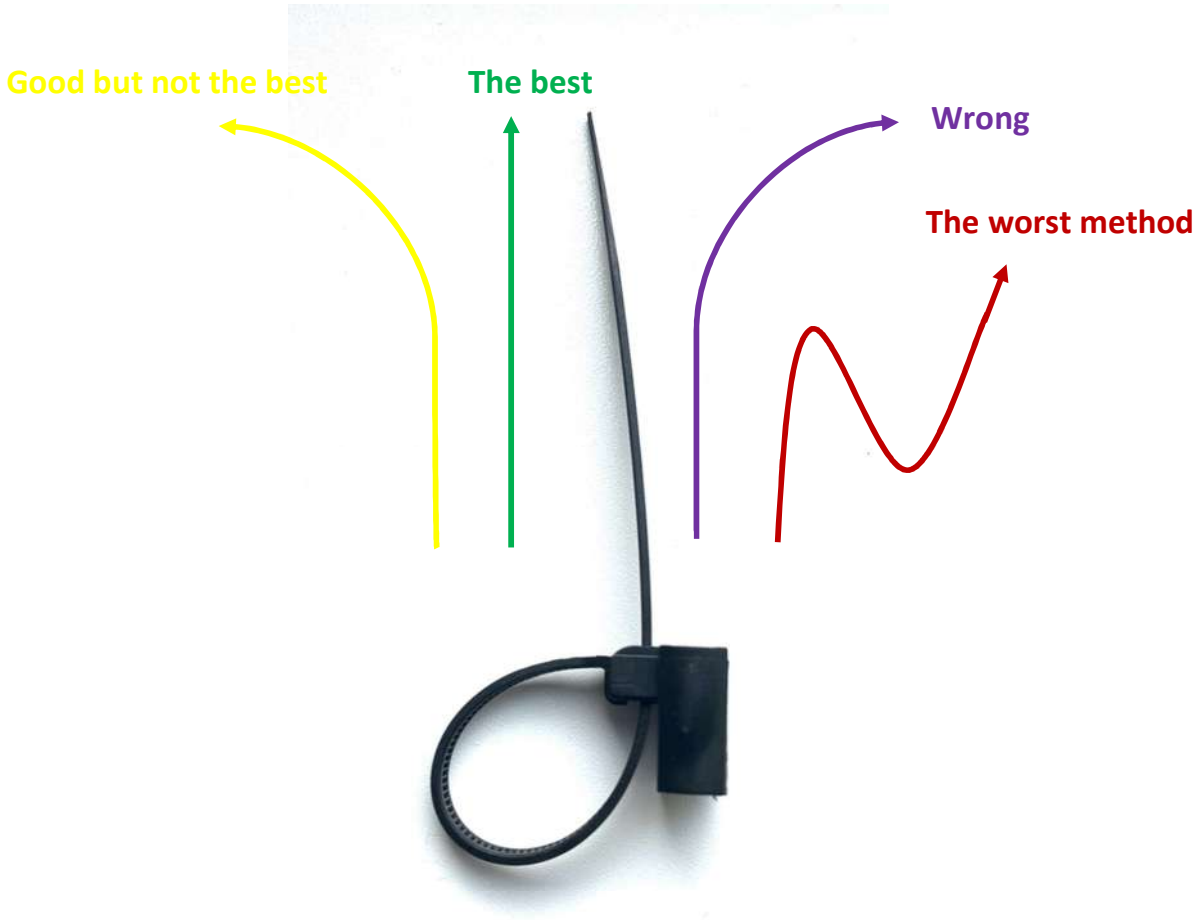
Urceno pro svazky ⌀ 0.5 ... 25 mm
Upinaci prumer diry ⌀ 6.5+0.2 mm
Upinaci tloustka plechu: 0.6 ... 1.3 mm

Suitable for cable bundles ⌀ 0.5 ... 25 mm
Fastening hole ⌀ 6.5+0.2 mm
Fastening thickness: 0.6 ... 1.3 mm

The figure 13 Parts application

Cable straps

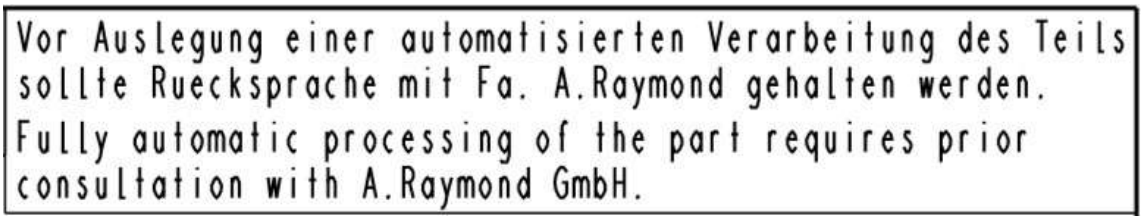
For tightening cable straps, we recommend using tightening gun set up to the force 110+/-10N, unless otherwise defined in the drawing. We recommend doing the tightening perpendicular to the bundle. Figure 14 – comparison of tightening methods.



The figure 14 Comparison of tightening methods

Automatic assembly

If the offer has not explicit agreement to use a part for automatic assembly, please let us know. Figure 15 is the mark in the drawing.



The figure 15 Mark in the drawing

Metal parts

According to a technology of manufacturing and the shape of metal parts, conditions with parts sticking and mixed with similar parts cannot be prevented 100% (see figure 16).

Due to the manufacturing technology and necessary additional operations (see process diagram), PPM 250 is set for metal parts, this PPM index corresponds to the number of non-compliant products delivered within six (6) months from the start of serial production.

The figure 16 parts sticked together