

NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

2007-05-29

Reference: File E258930 Project 06CA62273 P.O. Number HU XIAOBO
Product: USL – Positioning Devices - Addition of three PA66 materials BASF Grade A3K(a), Solutia
Grade 21SPC(a) and E I Dupont Grade 101F(+) to existing devices

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

UL's investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL's Follow-Up Service Program to the subject product, which is constructed as described below:

Similar to the subject model, which was submitted to UL for this investigation. The UL Records covering the product will be in the Follow-Up Services Procedure, File E258930, Volume 1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn.

Sincerely,



Reviewed by:



DESCRIPTION

PRODUCT COVERED:

USL: Listed Wire Positioning Devices; Nylon Cable Ties. Catalog numbers and ratings as shown in Table 1 below.

GENERAL DESCRIPTION OF DEVICE:

These devices are molded thermoplastic bands, intended to bind and support single or multi stranded units such as electrical wires, cables, etc. The devices are applied by hand. These devices are manufactured in different widths and lengths to accommodate the various bundle diameters. These devices have specification as to the range of bundle diameter size and minimum tensile strength.

MARKINGS:

Listee's full name or file number "E258930", and catalog number on the device or the smallest unit package in which the product is shipped. Maximum load rating and temperature rating in degrees C marked on the device, or smallest unit package in which product is shipped or in the installation instructions provided with the device. See also the LMCP.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USL have been investigated using requirements contained in the Standard for Positioning Devices, UL 1565, Fourth Edition, dated May 17, 2002, revised January 14, 2005.

Samples of the above device were subjected to tensile loading before and after various conditionings including environmental cycling and oven aging. All samples maintained the specified load for 1 minute without slipping more than 1/16 of an inch (1.6 mm) or breaking.

RATINGS:

The following devices are rated for use indoor use, and with the following maximum temperature and load rating:

TABLE 1

Catalog Number	Temperature Rating Degree C	Load Rating lbs. (kg)	Color
2.5X80, -100, -120, -130, -150, -160, -200	65	18(8)	All
3.6X140, -150, -200, -250, -280, -300, -370	65	40(18)	All
4.6X120, -160, -180, -200, -250, -280, -300, -310, -350, -360, -370, -380, -390, -450	65	50(23)	All
7.6X150, -200, -250, -300, -350, -365, -380, -400, -450	65	120(54)	All

GENERAL CONSTRUCTION DETAILS:

General - The general design, shape and arrangement shall be as illustrated unless variations are specifically described.

Dimensions - As shown in the Illustrations. See Table 2.

Molding Compounds - All compounds are Recognized Component - Plastics (QMFZ2), polyamide (PA66), Type 66 nylon, as shown in the following table. Blending of other materials, or addition of materials such as colorants, flame retardant agents, etc. is not allowed.

TABLE 2

Cat. No.	Load Rating lbs. (kg)	Colors	Molding Compound		Ill.
			Mfr. @	Designation	
2.5X80, -100, -120, -130, -150, -160, -200	18(8)	Natural	R	A45L	1
	18(8)	All	B	A3K(a)	1
	18(8)	All	E	101F(+)	1
	18(8)	All	S	21SPC(a)	1
3.6X140, -150, -200, -250, -280, -300, -370	40(18)	Natural	R	A45L	2
	40(18)	All	B	A3K(a)	2
	40(18)	All	E	101F(+)	2
	40(18)	All	S	21SPC(a)	2
4.6X120, -160, -180, -200, -250, -280, -300, -310, -350, -360, -370, -380, -390, -450	50(23)	Natural	R	A45L	3
	50(23)	All	B	A3K(a)	3
	50(23)	All	E	101F(+)	3
	50(23)	All	S	21SPC(a)	3
7.6X150, -200, -250, -300, -350, -365, -380, -400, -450	120(54)	Natural	R	A45L	4
	120(54)	All	B	A3K(a)	4
	120(54)	All	E	101F(+)	4
	120(54)	All	S	21SPC(a)	4

Maximum bundling diameters - See Illustration 5

@ - R: RADICI CHIMICA SPA, designated "RADIPOL" (E146390); B: BASF (E41871);
E: EI Dupont (E41938); S: Solutia (E70062)