

November 11, 2020

Dear Customer,

Hirose Electric Co., Ltd.

**Polybutylene Terephthalate (PBT) manufactured by Toyobo Co., Ltd. resin "Planak™"
Impact of Noncompliance with UL recognition on our company Products**

On October 28, 2020, Toyobo Co., Ltd. announced that its polybutylene terephthalate (PBT) resin "Planak™", manufactured by Toyobo Co., Ltd., was found to partially fail to comply with the performance values recognized at Underwriters Laboratories (UL), a third-party safety science organization in the United States, and that UL recognition for "Planak™" will be rescinded sequentially. For more information, please refer to the announcement on the company's website:.

[Toyobo Co., Ltd. HP-news release]

" Regarding partial noncompliance of Toyobo's resin PLANAC™ with its performance data registered with a third-party verification organization"

https://www.toyobo-global.com/system/files/202010/node_135/press_20201028_1_e_0.pdf

In response to this situation, our company is striving to gain an understanding of the situation. First of all, we would like to report on the impact on our company products that currently use "Planak™" and our response as follows.

1. Impact on our company products

Toyobo Co., Ltd. announced that UL recognition for "Planak™" will be cancelled one by one. As a result, our company products that use "Planak™" will no longer be UL recognized connectors and/or products that use UL recognized materials.

2. Impacted Products

Please refer to the attached sheet.

3 Actions

At our company, we have restricted orders and shipments of connectors that obtained UL recognition using "Planak™" and connectors that used "Planak™" as UL recognized materials since October 29th, 2020. At present, our company is reviewing alternative materials of other companies and will continue to take necessary measures.

In addition, we have been contacting our direct customers since November 2nd.

4. Contact for inquiries

Your contacts window or

Process Designing Section, Planning & Business Administration Department,

Sales & Marketing Group

E-mail: hrs.pcn.8w@hirose-gl.com

We appreciate your understanding and cooperation.

With Best Regards.

UL recognized connector

No.	CL No.	Part No.
1	221-0207-6-01	QR/P6-16P-C(01)
2	221-0208-9-01	QR/P6-16S-C(01)
3	221-0209-1-01	QR/P6-24P-C(01)
4	221-0210-0-01	QR/P6-24S-C(01)
5	222-5136-3-20	TM5RE3VX-1212(20)
6	138-0028-0-00	EM35MRA-4PC

Connectors that use PBT PLANAK™ made by TOYOBO.
But, connectors were not recognized by UL.

No.	CL No.	Part No.
7	235-0009-5-50	3530A-10P-CV(50)
8	235-0003-9-50	3530A-16P-CV(50)
9	206-5204-2-50	C-J18FNEY-01(50)
10	206-5323-1-50	C-J18FNEYS-01(50)
11	104-0465-8-31	HA16PRY-3SE(31)
12	211-5094-1-50	HDAW-15-CV(50)
13	211-5095-4-50	HDAW-15-CVR(50)
14	211-5093-9-50	HDBW-25-CVR(50)
15	110-0930-8-00	HR10A-10R-12SADL
16	112-4100-5-71	HR212-10LP-5PC(71)
17	112-4002-6-71	HR212-10LP-8P(71)
18	112-4002-6-73	HR212-10LP-8P(73)
19	112-4002-6-74	HR212-10LP-8P(74)
20	112-4050-9-71	HR212-10P-5PC(71)
21	112-4001-3-71	HR212-10P-8P(71)
22	112-4001-3-72	HR212-10P-8P(72)
23	112-4001-3-73	HR212-10P-8P(73)
24	112-4001-3-74	HR212-10P-8P(74)
25	112-2008-1-71	HR212-10R-5SDL(71)
26	206-5146-8-21	MQ115-12P-3A(21)
27	206-5146-8-22	MQ115-12P-3A(22)
28	206-5147-0-21	MQ115-12PA-3A(21)
29	206-5135-1-21	MQ115-16P-4A(21)
30	206-5211-8-21	MQ115-16P-8A(21)
31	206-5136-4-21	MQ115-16PA-4A(21)
32	206-5136-4-22	MQ115-16PA-4A(22)
33	206-5212-0-21	MQ115-16PA-8A(21)
34	206-5148-3-21	MQ115-24P-6A(21)
35	206-5149-6-21	MQ115-24PA-6A(21)
36	206-5234-3-21	MQ115-2P-1A(21)
37	206-5213-3-21	MQ115-2PA-1A(21)
38	206-5170-2-22	MQ115-2PA-1B(22)
39	206-5156-1-21	MQ115-32P-8A(21)
40	206-5157-4-21	MQ115-32PA-8A(21)
41	206-5133-6-21	MQ115-4P-1A(21)
42	206-5133-6-22	MQ115-4P-1A(22)
43	206-5214-6-21	MQ115-4P-2A(21)
44	206-5134-9-21	MQ115-4PA-1A(21)
45	206-5134-9-22	MQ115-4PA-1A(22)
46	206-5215-9-21	MQ115-4PA-2A(21)
47	206-5215-9-22	MQ115-4PA-2A(22)
48	206-5144-2-21	MQ115-8P-2A(21)
49	206-5144-2-22	MQ115-8P-2A(22)

No.	CL No.	Part No.
50	206-5209-6-21	MQ115-8P-4A(21)
51	206-5199-4-22	MQ115-8P-4B(22)
52	206-5145-5-21	MQ115-8PA-2A(21)
53	206-5145-5-22	MQ115-8PA-2A(22)
54	206-5210-5-21	MQ115-8PA-4A(21)
55	234-0005-8-50	NX30TA-15PAA(50)
56	234-0008-6-50	NX30TA-25PAA(50)
57	234-0024-2-50	NX30TA-32PAA(50)
58	222-2720-4-50	TM11R-5L-3232(50)
59	222-2667-3-50	TM11R-5L-88(50)
60	222-2722-0-50	TM11R-5LF-3232(50)
61	222-2668-6-50	TM11R-5LF-88(50)
62	222-2671-0-50	TM5RL-3232(50)
63	222-2665-8-50	TM5RL-88(50)
64	222-3798-7-50	TM5RL-88-JJ(50)
65	222-3798-7-51	TM5RL-88-JJ(51)
66	222-2935-0-00	TM5RL-88-JJ5E
67	222-2711-3-50	TM5RLF-3232(50)
68	222-2666-0-50	TM5RLF-88(50)
69	222-3805-0-50	TM5RLF-88-JJ(50)