

Attn.: \_\_\_\_\_

**HIROSE ELECTRIC CO., LTD.**  
5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO, JAPAN

**Product Change Notification**

We are writing today to inform you that we will make some changes as shown in the subject for the reason described below.  
We request that you kindly offer your consent to this matter.

1	Products affected	Please refer to the attached sheet.																		
2	Replacement products	Please refer to the attached sheet.																		
3	Classification of change	Material change																		
4	Description of change	<p>This is to change resin material of housing. Replacement product will have new P/N. This change will not affect the appearances and performances of the products.</p> <table border="1"> <thead> <tr> <th>Series name</th> <th>Current supplier</th> <th>Substitute supplier</th> </tr> </thead> <tbody> <tr> <td>MDF7</td> <td>BASF Japan Ltd.</td> <td>Asahi Kasei Corporation</td> </tr> <tr> <td>A3B/A3C/A3E</td> <td>BASF Japan Ltd.</td> <td>Toray Industries, Inc.</td> </tr> <tr> <td>A4B</td> <td>BASF Japan Ltd.</td> <td>Toray Industries, Inc.</td> </tr> <tr> <td>MA35</td> <td>BASF Japan Ltd.</td> <td>Toray Industries, Inc.</td> </tr> <tr> <td>H/MS</td> <td>BASF Japan Ltd.</td> <td>Toray Industries, Inc.</td> </tr> </tbody> </table>	Series name	Current supplier	Substitute supplier	MDF7	BASF Japan Ltd.	Asahi Kasei Corporation	A3B/A3C/A3E	BASF Japan Ltd.	Toray Industries, Inc.	A4B	BASF Japan Ltd.	Toray Industries, Inc.	MA35	BASF Japan Ltd.	Toray Industries, Inc.	H/MS	BASF Japan Ltd.	Toray Industries, Inc.
Series name	Current supplier	Substitute supplier																		
MDF7	BASF Japan Ltd.	Asahi Kasei Corporation																		
A3B/A3C/A3E	BASF Japan Ltd.	Toray Industries, Inc.																		
A4B	BASF Japan Ltd.	Toray Industries, Inc.																		
MA35	BASF Japan Ltd.	Toray Industries, Inc.																		
H/MS	BASF Japan Ltd.	Toray Industries, Inc.																		
5	Reason for change	For stabler production and supply of products.																		
6	Date of final reception of orders for the current product	December 28, 2017																		
7	Date of first reception of orders for the replacement product	November 1, 2017																		
8	Date of first shipment of the replacement product	From January 5, 2018 onward.																		
9	Date of final shipment of the current product	March 30, 2018																		
10	Samples of the replacement product	Will be made available on July 1, 2017.																		
11	Date of your acknowledgement	By October 31, 2017																		

We kindly request that you let a Hirose business representative know you acknowledge this matter by the aforesaid date of your acknowledgement.  
In the absence of a response by this date, please be advised that your products that have been changed as described above will be delivered.  
If you should have any questions, please feel free to contact a Hirose business representative.  
Your understanding and cooperation are highly appreciated.

■ Target Product List Business 430-17007\_BASF Material Change

No.	Current product		Substitute product		Material manufacturer	
	Product code	Product name	Product code	Product name	Current product	Substitute product
1	120-0501-9-73	H/MS3102A20-29PC(73)	120-0501-9-74	H/MS3102A20-29PC(74)	BASF Japan Ltd.	Toray Industries, Inc.
2	120-0502-1-73	H/MS3102A22-14PC(73)	120-0502-1-74	H/MS3102A22-14PC(74)	BASF Japan Ltd.	Toray Industries, Inc.
3	539-0348-0-00	WT-00003	539-0348-0-91	WT-00003(91)	BASF Japan Ltd.	Toray Industries, Inc.
4	539-0357-1-00	WAT-00097	539-0357-1-91	WAT-00097(91)	BASF Japan Ltd.	Toray Industries, Inc.
5	539-0371-2-00	WAT-00191	539-0371-2-91	WAT-00191(91)	BASF Japan Ltd.	Toray Industries, Inc.
6	547-0012-4-55	MDF7-15S-2.54DSA(55)	547-0012-4-95	MDF7-15S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
7	547-0012-4-56	MDF7-15S-2.54DSA(56)	547-0012-4-96	MDF7-15S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
8	547-0013-7-55	MDF7-18S-2.54DSA(55)	547-0013-7-95	MDF7-18S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
9	547-0013-7-56	MDF7-18S-2.54DSA(56)	547-0013-7-96	MDF7-18S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
10	547-0014-0-31	MDF7-25S-2.54DSA(31)	547-0014-0-35	MDF7-25S-2.54DSA(35)	BASF Japan Ltd.	Asahi Kasei Corporation
11	547-0014-0-32	MDF7-25S-2.54DSA(32)	547-0014-0-36	MDF7-25S-2.54DSA(36)	BASF Japan Ltd.	Asahi Kasei Corporation
12	547-0014-0-37	MDF7-25S-2.54DSA(37)	547-0014-0-41	MDF7-25S-2.54DSA(41)	BASF Japan Ltd.	Asahi Kasei Corporation
13	547-0014-0-55	MDF7-25S-2.54DSA(55)	547-0014-0-95	MDF7-25S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
14	547-0014-0-56	MDF7-25S-2.54DSA(56)	547-0014-0-96	MDF7-25S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
15	547-0141-7-55	MDF7-16S-2.54DSA(55)	547-0141-7-95	MDF7-16S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
16	547-0141-7-56	MDF7-16S-2.54DSA(56)	547-0141-7-96	MDF7-16S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
17	547-0143-2-55	MDF7-19S-2.54DSA(55)	547-0143-2-95	MDF7-19S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
18	547-0143-2-56	MDF7-19S-2.54DSA(56)	547-0143-2-96	MDF7-19S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
19	547-0144-5-55	MDF7-21S-2.54DSA(55)	547-0144-5-95	MDF7-21S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
20	547-0144-5-56	MDF7-21S-2.54DSA(56)	547-0144-5-96	MDF7-21S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
21	547-0227-0-26	MDF7-34D-2.54DSA(26)	547-0227-0-30	MDF7-34D-2.54DSA(30)	BASF Japan Ltd.	Asahi Kasei Corporation
22	547-0227-0-38	MDF7-34D-2.54DSA(38)	547-0227-0-42	MDF7-34D-2.54DSA(42)	BASF Japan Ltd.	Asahi Kasei Corporation
23	547-0227-0-55	MDF7-34D-2.54DSA(55)	547-0227-0-95	MDF7-34D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
24	547-0227-0-56	MDF7-34D-2.54DSA(56)	547-0227-0-96	MDF7-34D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
25	547-0227-0-60	MDF7-34D-2.54DSA(60)	547-0227-0-64	MDF7-34D-2.54DSA(64)	BASF Japan Ltd.	Asahi Kasei Corporation
26	547-0227-0-70	MDF7-34D-2.54DSA(70)	547-0227-0-74	MDF7-34D-2.54DSA(74)	BASF Japan Ltd.	Asahi Kasei Corporation
27	547-0227-0-71	MDF7-34D-2.54DSA(71)	547-0227-0-75	MDF7-34D-2.54DSA(75)	BASF Japan Ltd.	Asahi Kasei Corporation
28	547-0244-0-39	MDF7-24D-2.54DSA(39)	547-0244-0-43	MDF7-24D-2.54DSA(43)	BASF Japan Ltd.	Asahi Kasei Corporation
29	547-0244-0-55	MDF7-24D-2.54DSA(55)	547-0244-0-95	MDF7-24D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
30	547-0244-0-56	MDF7-24D-2.54DSA(56)	547-0244-0-96	MDF7-24D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
31	547-0246-5-55	MDF7-22D-2.54DSA(55)	547-0246-5-95	MDF7-22D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
32	547-0246-5-56	MDF7-22D-2.54DSA(56)	547-0246-5-96	MDF7-22D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
33	547-0247-8-33	MDF7-26D-2.54DSA(33)	547-0247-8-37	MDF7-26D-2.54DSA(37)	BASF Japan Ltd.	Asahi Kasei Corporation
34	547-0247-8-55	MDF7-26D-2.54DSA(55)	547-0247-8-95	MDF7-26D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
35	547-0247-8-56	MDF7-26D-2.54DSA(56)	547-0247-8-96	MDF7-26D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
36	547-0354-8-55	MDF7-14D-2.54DSA(55)	547-0354-8-95	MDF7-14D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
37	547-0354-8-56	MDF7-14D-2.54DSA(56)	547-0354-8-96	MDF7-14D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
38	547-0355-0-34	MDF7-3S-2.54DSA(34)	547-0355-0-38	MDF7-3S-2.54DSA(38)	BASF Japan Ltd.	Asahi Kasei Corporation
39	547-0355-0-36	MDF7-3S-2.54DSA(36)	547-0355-0-40	MDF7-3S-2.54DSA(40)	BASF Japan Ltd.	Asahi Kasei Corporation
40	547-0355-0-55	MDF7-3S-2.54DSA(55)	547-0355-0-95	MDF7-3S-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
41	547-0355-0-56	MDF7-3S-2.54DSA(56)	547-0355-0-96	MDF7-3S-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
42	547-0363-9-55	MDF7-16D-2.54DSA(55)	547-0363-9-95	MDF7-16D-2.54DSA(95)	BASF Japan Ltd.	Asahi Kasei Corporation
43	547-0363-9-56	MDF7-16D-2.54DSA(56)	547-0363-9-96	MDF7-16D-2.54DSA(96)	BASF Japan Ltd.	Asahi Kasei Corporation
44	588-0299-7-71	MA35-6P-2DS(71)	588-0299-7-51	MA35-6P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
45	588-0312-3-71	MA35-20P-2DS(71)	588-0312-3-51	MA35-20P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
46	588-0317-7-71	MA35-18P-2DS(71)	588-0317-7-51	MA35-18P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
47	588-0318-0-71	MA35-14P-2DS(71)	588-0318-0-51	MA35-14P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
48	588-0319-2-71	MA35-32P-2DS(71)	588-0319-2-51	MA35-32P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
49	588-0320-1-71	MA35-50P-2DS(71)	588-0320-1-51	MA35-50P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
50	588-0321-4-71	MA35-10P-2DS(71)	588-0321-4-51	MA35-10P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
51	588-0331-8-71	MA35-8P-2DS(71)	588-0331-8-51	MA35-8P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
52	588-0359-7-71	MA35-16P-2DS(71)	588-0359-7-51	MA35-16P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
53	588-0360-6-71	MA35-22P-2DS(71)	588-0360-6-51	MA35-22P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
54	588-0363-4-71	MA35-12P-2DS(71)	588-0363-4-51	MA35-12P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
55	588-0364-7-71	MA35-30P-2DS(71)	588-0364-7-51	MA35-30P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
56	588-0365-0-71	MA35-40P-2DS(71)	588-0365-0-51	MA35-40P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
57	588-0366-2-71	MA35-28P-2DS(71)	588-0366-2-51	MA35-28P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
58	588-0368-8-71	MA35-52P-2DS(71)	588-0368-8-51	MA35-52P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.

No.	Current product		Substitute product		Material manufacturer	
	Product code	Product name	Product code	Product name	Current product	Substitute product
59	588-0369-0-71	MA35-24P-2DS(71)	588-0369-0-51	MA35-24P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
60	588-0371-2-71	MA35-44P-2DS(71)	588-0371-2-51	MA35-44P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
61	588-0379-4-71	MA35-26P-2DS(71)	588-0379-4-51	MA35-26P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
62	588-0403-7-71	MA35-62P-2DS(71)	588-0403-7-51	MA35-62P-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
63	621-0351-5-71	A3B-4PA-2DS(71)	621-0351-5-51	A3B-4PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
64	621-0352-8-71	A3B-6PA-2DS(71)	621-0352-8-51	A3B-6PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
65	621-0352-8-72	A3B-6PA-2DS(72)	621-0352-8-52	A3B-6PA-2DS(52)	BASF Japan Ltd.	Toray Industries, Inc.
66	621-0353-0-71	A3B-8PA-2DS(71)	621-0353-0-51	A3B-8PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
67	621-0353-0-81	A3B-8PA-2DS(81)	621-0353-0-61	A3B-8PA-2DS(61)	BASF Japan Ltd.	Toray Industries, Inc.
68	621-0354-3-71	A3B-10PA-2DS(71)	621-0354-3-51	A3B-10PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
69	621-0354-3-74	A3B-10PA-2DS(74)	621-0354-3-54	A3B-10PA-2DS(54)	BASF Japan Ltd.	Toray Industries, Inc.
70	621-0355-6-71	A3B-12PA-2DS(71)	621-0355-6-51	A3B-12PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
71	621-0356-9-71	A3B-14PA-2DS(71)	621-0356-9-51	A3B-14PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
72	621-0357-1-71	A3B-16PA-2DS(71)	621-0357-1-51	A3B-16PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
73	621-0358-4-71	A3B-18PA-2DS(71)	621-0358-4-51	A3B-18PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
74	621-0359-7-71	A3B-20PA-2DS(71)	621-0359-7-51	A3B-20PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
75	621-0359-7-82	A3B-20PA-2DS(82)	621-0359-7-62	A3B-20PA-2DS(62)	BASF Japan Ltd.	Toray Industries, Inc.
76	621-0360-6-71	A3B-22PA-2DS(71)	621-0360-6-51	A3B-22PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
77	621-0361-9-71	A3B-24PA-2DS(71)	621-0361-9-51	A3B-24PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
78	621-0362-1-71	A3B-26PA-2DS(71)	621-0362-1-51	A3B-26PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
79	621-0363-4-71	A3B-28PA-2DS(71)	621-0363-4-51	A3B-28PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
80	621-0364-7-71	A3B-30PA-2DS(71)	621-0364-7-51	A3B-30PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
81	621-0365-0-71	A3B-32PA-2DS(71)	621-0365-0-51	A3B-32PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
82	621-0369-0-71	A3B-36PA-2DS(71)	621-0369-0-51	A3B-36PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
83	621-0373-8-71	A3B-40PA-2DS(71)	621-0373-8-51	A3B-40PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
84	621-0377-9-71	A3B-44PA-2DS(71)	621-0377-9-51	A3B-44PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
85	621-0377-9-82	A3B-44PA-2DS(82)	621-0377-9-62	A3B-44PA-2DS(62)	BASF Japan Ltd.	Toray Industries, Inc.
86	621-0383-1-71	A3B-50PA-2DS(71)	621-0383-1-51	A3B-50PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
87	621-0383-1-83	A3B-50PA-2DS(83)	621-0383-1-63	A3B-50PA-2DS(63)	BASF Japan Ltd.	Toray Industries, Inc.
88	621-0383-1-84	A3B-50PA-2DS(84)	621-0383-1-64	A3B-50PA-2DS(64)	BASF Japan Ltd.	Toray Industries, Inc.
89	621-0401-1-71	A3B-4PA-2DSA(71)	621-0401-1-51	A3B-4PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
90	621-0402-4-71	A3B-6PA-2DSA(71)	621-0402-4-51	A3B-6PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
91	621-0403-7-71	A3B-8PA-2DSA(71)	621-0403-7-51	A3B-8PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
92	621-0403-7-74	A3B-8PA-2DSA(74)	621-0403-7-54	A3B-8PA-2DSA(54)	BASF Japan Ltd.	Toray Industries, Inc.
93	621-0404-0-71	A3B-10PA-2DSA(71)	621-0404-0-51	A3B-10PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
94	621-0404-0-83	A3B-10PA-2DSA(83)	621-0404-0-63	A3B-10PA-2DSA(63)	BASF Japan Ltd.	Toray Industries, Inc.
95	621-0405-2-71	A3B-12PA-2DSA(71)	621-0405-2-51	A3B-12PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
96	621-0406-5-71	A3B-14PA-2DSA(71)	621-0406-5-51	A3B-14PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
97	621-0407-8-71	A3B-16PA-2DSA(71)	621-0407-8-51	A3B-16PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
98	621-0408-0-71	A3B-18PA-2DSA(71)	621-0408-0-51	A3B-18PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
99	621-0409-3-71	A3B-20PA-2DSA(71)	621-0409-3-51	A3B-20PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
100	621-0409-3-74	A3B-20PA-2DSA(74)	621-0409-3-54	A3B-20PA-2DSA(54)	BASF Japan Ltd.	Toray Industries, Inc.
101	621-0410-2-71	A3B-22PA-2DSA(71)	621-0410-2-51	A3B-22PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
102	621-0411-5-71	A3B-24PA-2DSA(71)	621-0411-5-51	A3B-24PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
103	621-0412-8-71	A3B-26PA-2DSA(71)	621-0412-8-51	A3B-26PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
104	621-0413-0-71	A3B-28PA-2DSA(71)	621-0413-0-51	A3B-28PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
105	621-0414-3-71	A3B-30PA-2DSA(71)	621-0414-3-51	A3B-30PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
106	621-0415-6-71	A3B-32PA-2DSA(71)	621-0415-6-51	A3B-32PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
107	621-0421-9-71	A3B-44PA-2DSA(71)	621-0421-9-51	A3B-44PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
108	621-0424-7-71	A3B-50PA-2DSA(71)	621-0424-7-51	A3B-50PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
109	621-0601-0-00	A3C-2P-2DSA	621-0601-0-30	A3C-2P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
110	621-0602-3-00	A3C-4P-2DSA	621-0602-3-30	A3C-4P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
111	621-0603-6-00	A3C-6P-2DSA	621-0603-6-30	A3C-6P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
112	621-0604-9-00	A3C-8P-2DSA	621-0604-9-30	A3C-8P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
113	621-0605-1-00	A3C-10P-2DSA	621-0605-1-30	A3C-10P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
114	621-0606-4-00	A3C-12P-2DSA	621-0606-4-30	A3C-12P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
115	621-0607-7-00	A3C-14P-2DSA	621-0607-7-30	A3C-14P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
116	621-0608-0-00	A3C-16P-2DSA	621-0608-0-30	A3C-16P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
117	621-0609-2-00	A3C-18P-2DSA	621-0609-2-30	A3C-18P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
118	621-0610-1-00	A3C-20P-2DSA	621-0610-1-30	A3C-20P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.

No.	Current product		Substitute product		Material manufacturer	
	Product code	Product name	Product code	Product name	Current product	Substitute product
119	621-0612-7-00	A3C-24P-2DSA	621-0612-7-30	A3C-24P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
120	621-0613-0-00	A3C-26P-2DSA	621-0613-0-30	A3C-26P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
121	621-0614-2-00	A3C-28P-2DSA	621-0614-2-30	A3C-28P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
122	621-0615-5-00	A3C-32P-2DSA	621-0615-5-30	A3C-32P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
123	621-0622-0-00	A3C-44P-2DSA	621-0622-0-30	A3C-44P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
124	621-0622-0-11	A3C-44P-2DSA(11)	621-0622-0-41	A3C-44P-2DSA(41)	BASF Japan Ltd.	Toray Industries, Inc.
125	621-0625-9-00	A3C-48P-2DSA	621-0625-9-30	A3C-48P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
126	621-0628-7-00	A3C-50P-2DSA	621-0628-7-30	A3C-50P-2DSA(30)	BASF Japan Ltd.	Toray Industries, Inc.
127	621-0811-3-00	A3E-44D-2R	621-0811-3-30	A3E-44D-2R(30)	BASF Japan Ltd.	Toray Industries, Inc.
128	621-0811-3-11	A3E-44D-2R(11)	621-0811-3-41	A3E-44D-2R(41)	BASF Japan Ltd.	Toray Industries, Inc.
129	621-0814-1-00	A3E-50D-2R	621-0814-1-30	A3E-50D-2R(30)	BASF Japan Ltd.	Toray Industries, Inc.
130	621-0861-1-00	A3EA-44D-2R	621-0861-1-30	A3EA-44D-2R(30)	BASF Japan Ltd.	Toray Industries, Inc.
131	621-0861-1-11	A3EA-44D-2R(11)	621-0861-1-41	A3EA-44D-2R(41)	BASF Japan Ltd.	Toray Industries, Inc.
132	621-0864-0-00	A3EA-50D-2R	621-0864-0-30	A3EA-50D-2R(30)	BASF Japan Ltd.	Toray Industries, Inc.
133	621-0864-0-11	A3EA-50D-2R(11)	621-0864-0-41	A3EA-50D-2R(41)	BASF Japan Ltd.	Toray Industries, Inc.
134	621-0911-8-71	A3E-44PA-2DSA(71)	621-0911-8-51	A3E-44PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
135	621-0911-8-78	A3E-44PA-2DSA(78)	621-0911-8-58	A3E-44PA-2DSA(58)	BASF Japan Ltd.	Toray Industries, Inc.
136	621-0911-8-81	A3E-44PA-2DSA(81)	621-0911-8-61	A3E-44PA-2DSA(61)	BASF Japan Ltd.	Toray Industries, Inc.
137	621-0914-6-71	A3E-50PA-2DSA(71)	621-0914-6-51	A3E-50PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
138	622-0351-1-71	A4B-2PA-2DS(71)	622-0351-1-51	A4B-2PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
139	622-0352-4-71	A4B-3PA-2DS(71)	622-0352-4-51	A4B-3PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
140	622-0353-7-71	A4B-4PA-2DS(71)	622-0353-7-51	A4B-4PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
141	622-0354-0-71	A4B-5PA-2DS(71)	622-0354-0-51	A4B-5PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
142	622-0355-2-71	A4B-6PA-2DS(71)	622-0355-2-51	A4B-6PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
143	622-0356-5-71	A4B-7PA-2DS(71)	622-0356-5-51	A4B-7PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
144	622-0357-8-71	A4B-8PA-2DS(71)	622-0357-8-51	A4B-8PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
145	622-0358-0-71	A4B-9PA-2DS(71)	622-0358-0-51	A4B-9PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
146	622-0359-3-71	A4B-10PA-2DS(71)	622-0359-3-51	A4B-10PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
147	622-0360-2-71	A4B-11PA-2DS(71)	622-0360-2-51	A4B-11PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
148	622-0361-5-71	A4B-12PA-2DS(71)	622-0361-5-51	A4B-12PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
149	622-0362-8-71	A4B-13PA-2DS(71)	622-0362-8-51	A4B-13PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
150	622-0363-0-71	A4B-14PA-2DS(71)	622-0363-0-51	A4B-14PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
151	622-0364-3-71	A4B-15PA-2DS(71)	622-0364-3-51	A4B-15PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
152	622-0365-6-71	A4B-16PA-2DS(71)	622-0365-6-51	A4B-16PA-2DS(51)	BASF Japan Ltd.	Toray Industries, Inc.
153	622-0401-8-71	A4B-2PA-2DSA(71)	622-0401-8-51	A4B-2PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
154	622-0402-0-71	A4B-3PA-2DSA(71)	622-0402-0-51	A4B-3PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
155	622-0403-3-71	A4B-4PA-2DSA(71)	622-0403-3-51	A4B-4PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
156	622-0404-6-71	A4B-5PA-2DSA(71)	622-0404-6-51	A4B-5PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
157	622-0405-9-71	A4B-6PA-2DSA(71)	622-0405-9-51	A4B-6PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
158	622-0406-1-71	A4B-7PA-2DSA(71)	622-0406-1-51	A4B-7PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
159	622-0407-4-71	A4B-8PA-2DSA(71)	622-0407-4-51	A4B-8PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
160	622-0408-7-71	A4B-9PA-2DSA(71)	622-0408-7-51	A4B-9PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
161	622-0409-0-71	A4B-10PA-2DSA(71)	622-0409-0-51	A4B-10PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
162	622-0411-1-71	A4B-12PA-2DSA(71)	622-0411-1-51	A4B-12PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
163	622-0412-4-71	A4B-13PA-2DSA(71)	622-0412-4-51	A4B-13PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
164	622-0413-7-71	A4B-14PA-2DSA(71)	622-0413-7-51	A4B-14PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
165	622-0414-0-71	A4B-15PA-2DSA(71)	622-0414-0-51	A4B-15PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.
166	622-0415-2-71	A4B-16PA-2DSA(71)	622-0415-2-51	A4B-16PA-2DSA(51)	BASF Japan Ltd.	Toray Industries, Inc.

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