

Verification Report No.: CANEC25020039501**Date:** Sep 04, 2025

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Client Name: FuYanSheng Electronic (FuJian) Co., Ltd.

Client Address: Building 10, Zone A, Junhe Yungu Southeast Science and Technology Innovation Base,
No.33. Liugiao Road, Shangjie Town, Minhou County, Fujian Province

Sample Name: cable entry plate

Tested Basic Model No.: KML 16/16

Tested Extended Model No.: KBL 24/4, KDP 24/12, ST12, KPL 24/10C

Client Ref. Information: See Attachment

The above sample(s) and information were provided by the client.

SGS Job No.: XMP25-003737

Sample Receiving Date: Aug 14, 2025

Verification Period: Aug 14, 2025 ~ Sep 04, 2025

Verification Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.

Verification Method(s): Please refer to next page(s).

Verification Result(s): Please refer to next page(s).

Test Result Summary:

Test Items	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jenny Liao

Approved Signatory

Scan to see the report



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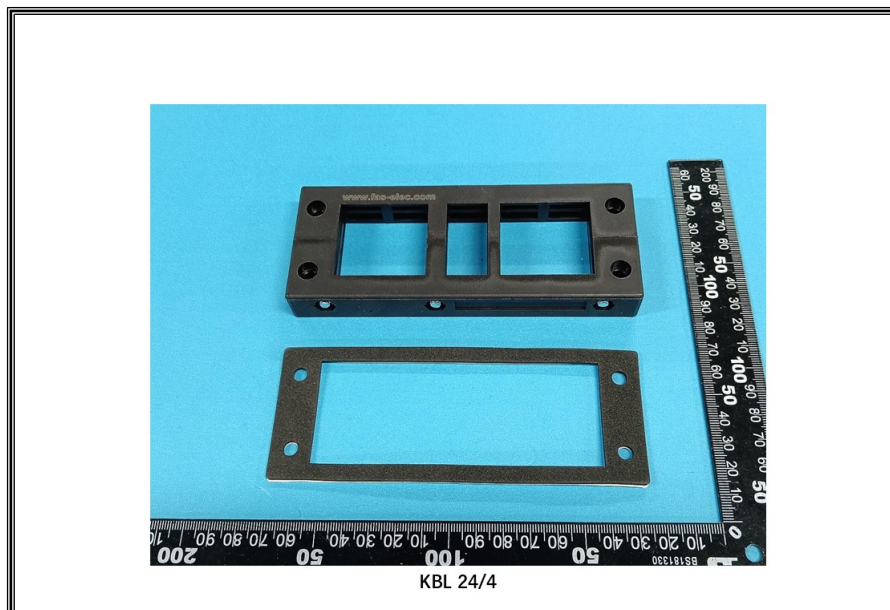
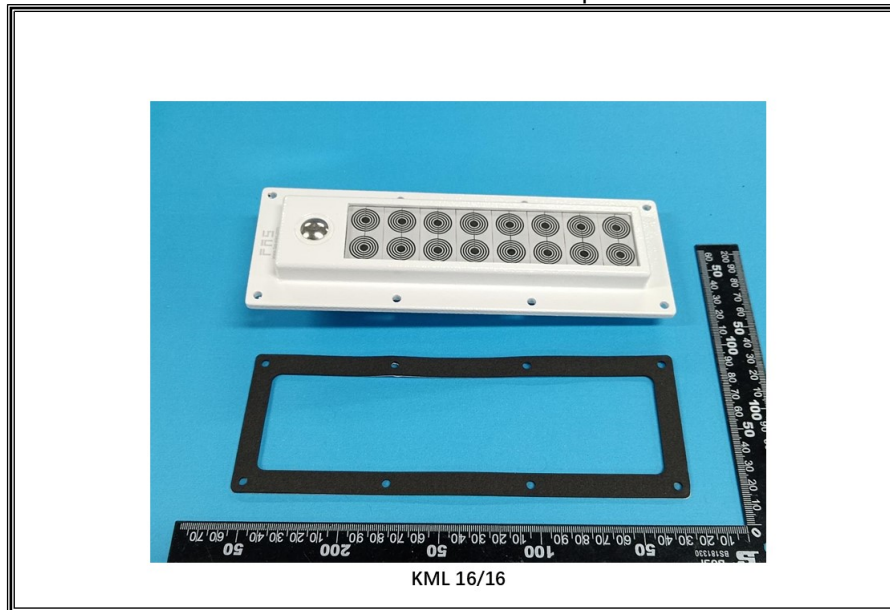
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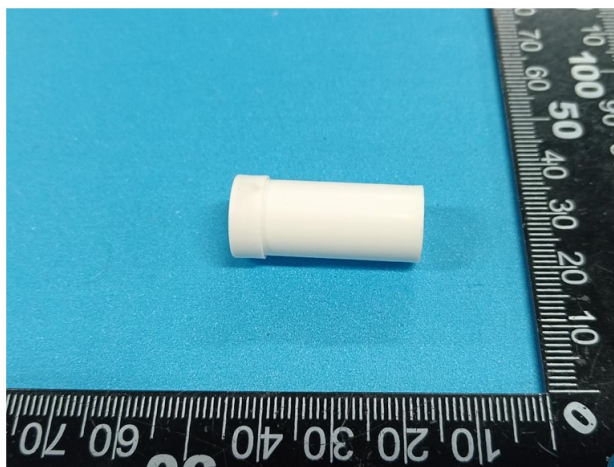
Member of the SGS Group (SGS SA)

Photo of Submitted Sample





KDP 24/12



ST12

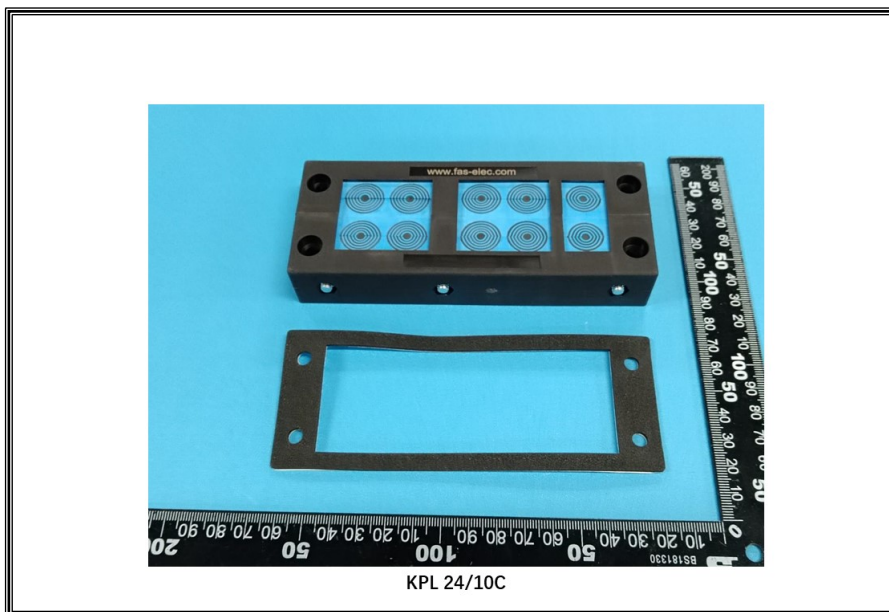


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Verification Method(s):

1. With reference to IEC 62321-2:2021, disassembly and disjointment were performed for the submitted samples.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report.
 - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy.
 - (2) Wet chemical test method: With reference to IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-12:2023, IEC 62321-6:2015 and IEC62321-8:2017 , analyzed by ICP-OES,UV-Vis and GC-MS.



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Verification Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN25-0200395-0001.C001	Silvery metal screw
SN2	A2	CAN25-0200395-0001.C002	White coating
SN3	A3	CAN25-0200395-0001.C003	Silvery metal part (base)
SN4	A4	CAN25-0200395-0001.C004	Black plastic part
SN5	A5	CAN25-0200395-0001.C005	Silvery metal screw
SN6	A6	CAN25-0200395-0001.C006	Silvery metal washer
SN7	A7	CAN25-0200395-0001.C007	Black plastic part
SN8	A8	CAN25-0200395-0001.C008	Grey plastic part
SN9	A9	CAN25-0200395-0001.C009	Black rubber part
SN10	A10	CAN25-0200395-0001.C010	Black adhesive foam ring
SN11	A11	CAN25-0200395-0001.C011	Black plastic frame with beige printing
SN12	A12	CAN25-0200395-0001.C012	Blue surfaced metal screw
SN13	A13	CAN25-0200395-0001.C013	Black plastic part
SN14	A14	CAN25-0200395-0001.C014	Black rubber sheet
SN15	A15	CAN25-0200395-0001.C015	Grey rubber sheet
SN16	A16	CAN25-0200395-0001.C016	Black rubber ring
SN17	A17	CAN25-0200395-0001.C017	White plastic part
SN18	A18	CAN25-0200395-0001.C018	Blue plastic part



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Verification Result(s):

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified. (Unless otherwise specified, the unit is mg/kg).

Test Item(s)	A1	A2	A3	A4	A5	A6	A7	A8
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	ND	BL	ND	BL	ND	ND	BL	BL
PBB	---	BL	---	BL	---	---	BL	BL
PBDE	---	BL	---	BL	---	---	BL	BL
DEHP	---	ND	---	BL	---	---	BL	BL
BBP	---	ND	---	BL	---	---	BL	BL
DBP	---	ND	---	BL	---	---	BL	BL
DIBP	---	ND	---	BL	---	---	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A9	A10	A11	A12	A13	A14	A15	A16
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	ND	BL	BL	BL	BL
PBB	ND	BL	BL	---	BL	BL	BL	BL
PBDE	ND	BL	BL	---	BL	BL	BL	BL
DEHP	ND	BL	BL	---	BL	BL	BL	BL
BBP	ND	BL	BL	---	BL	BL	BL	BL
DBP	ND	BL	BL	---	BL	BL	BL	BL
DIBP	ND	BL	BL	---	BL	BL	BL	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A17	A18
Pb	BL	BL
Hg	BL	BL
Cd	BL	BL
Cr(VI)▼	BL	BL
PBB	ND	BL
PBDE	ND	BL
DEHP	ND	BL
BBP	ND	BL
DBP	ND	BL
DIBP	ND	BL
Conclusion	PASS	PASS



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Notes:

(1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF):

(a) Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-3-1:2013 Annex A as below table.

Element	Polymers	Metals	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	Not applicable	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(b) If the maximum allowed level restricts PBB/PBDE and Cr(VI) rather than Br and Cr, the exceptions are the XRF determinations of Br and Cr. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".

(c) Results are obtained by EDXRF for primary screening, LOD = Limit of Detection, BL = Below Limit, OL= Over Limit, IN (The symbol X marks the region)=Inconclusive, where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.

(d) The EDXRF screening test for elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

(2) Screening results of Phthalates (PHTH) below the limits are shown as "BL". Further chemical testing by GC-MS is to be performed if the results exceed limits.

Test Items	CAS No.
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
Butyl benzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Diisobutyl phthalate (DIBP)	84-69-5

(3) Interpretation of results by chemical tests:

(a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not Applicable.

(b) Unit and MDL in wet chemical test

Test Items	Pb	Hg	Cd	DEHP	BBP	DBP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBB and PBDE is 100 mg/kg,

MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.

MDL of Cr(VI) for metal sample is 0.10 µg/cm².

(c) ▼ =Metal sample

a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm². The sample coating is considered to contain Cr(VI).

b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-Cr(VI) based coating

c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus



Cr(VI) results represent status of the sample at the time of testing.

(4) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBB/PBDE/DEHP/BBP/DBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.

(5) IEC 62321 series is equivalent to EN 62321 series.

(6) IEC 62321-1:2013, IEC 62321-2:2021 and screening method of Phthalates are not accredited by CNAS.

(7) According to the declaration from applicant, the materials of other parts in Models "KBL 24/4, KDP 24/12, ST12, KPL 24/10C" are the same as those in Model "KML 16/16", and the results of Model "KML 16/16" for support the results of other parts in Models "KBL 24/4, KDP 24/12, ST12, KPL 24/10C". The applicant will take the responsibility of all discrepancy and risk.

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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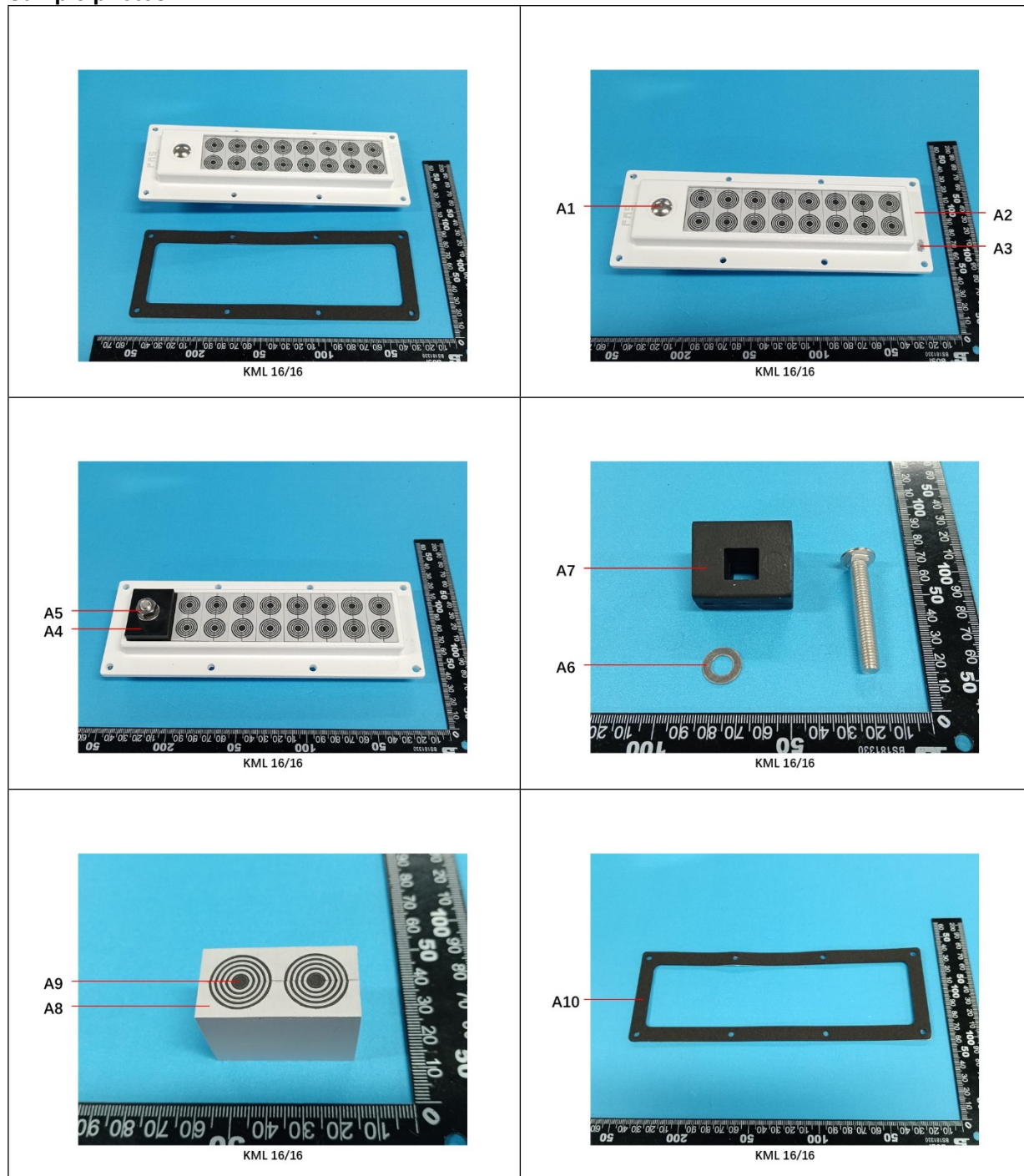
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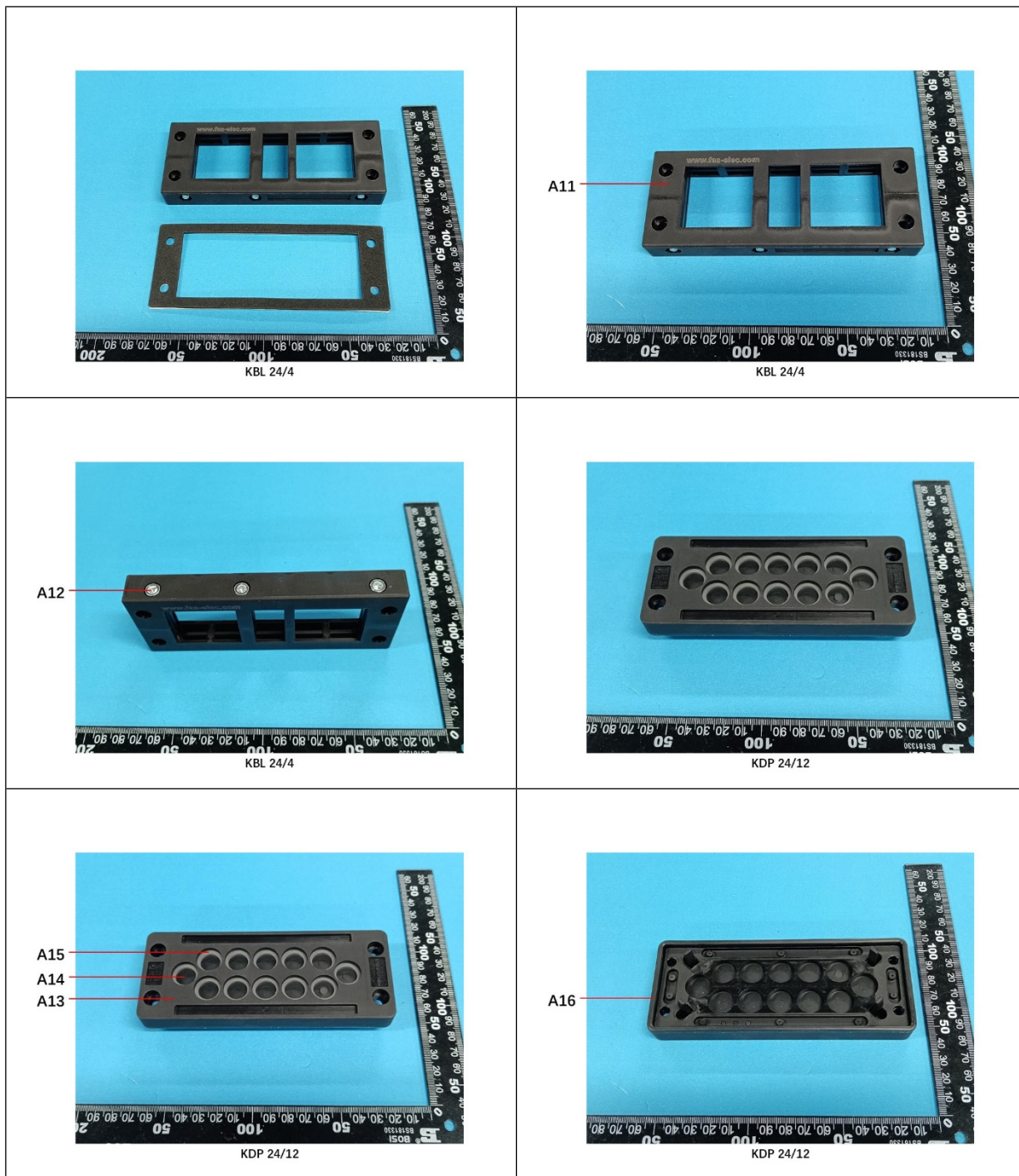
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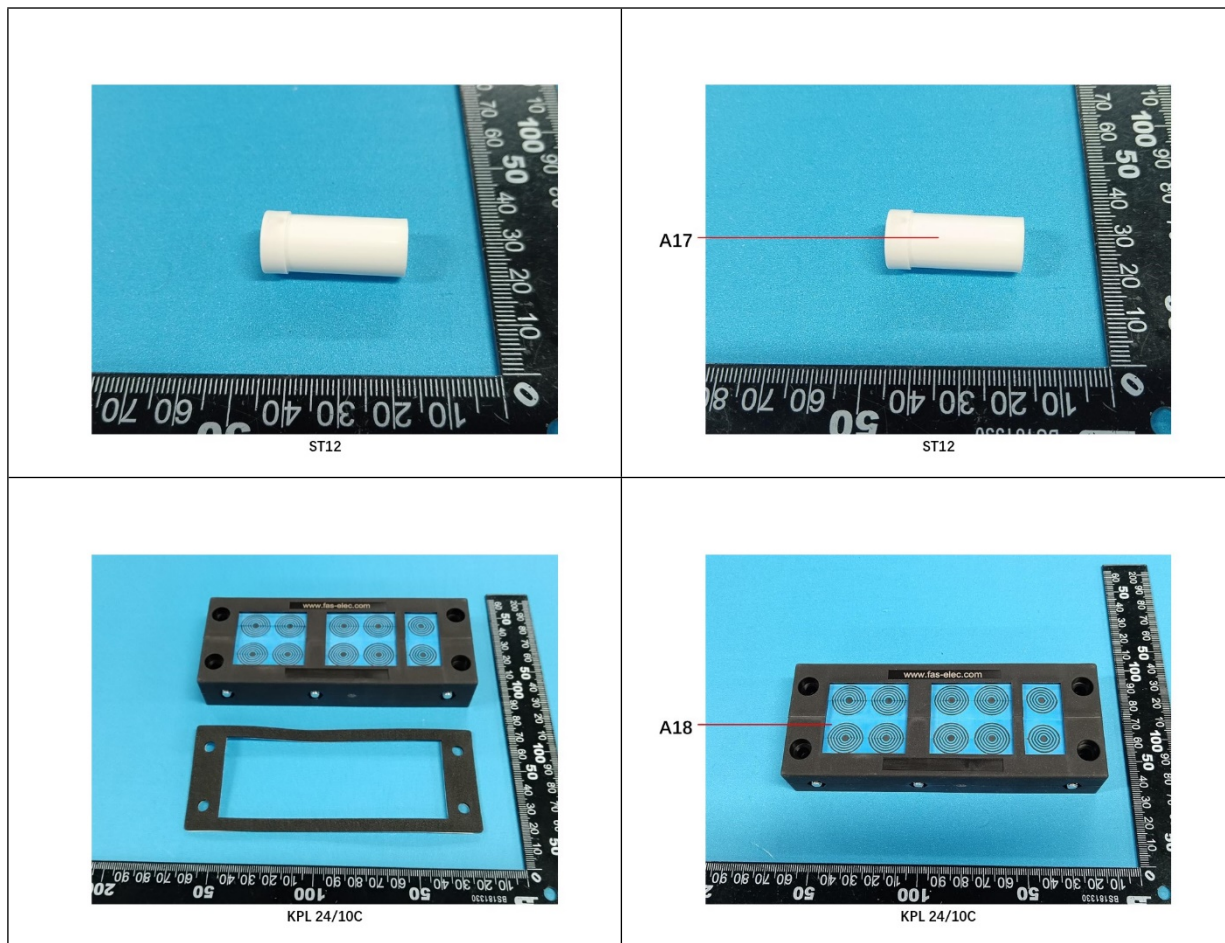
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Sample photos:







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