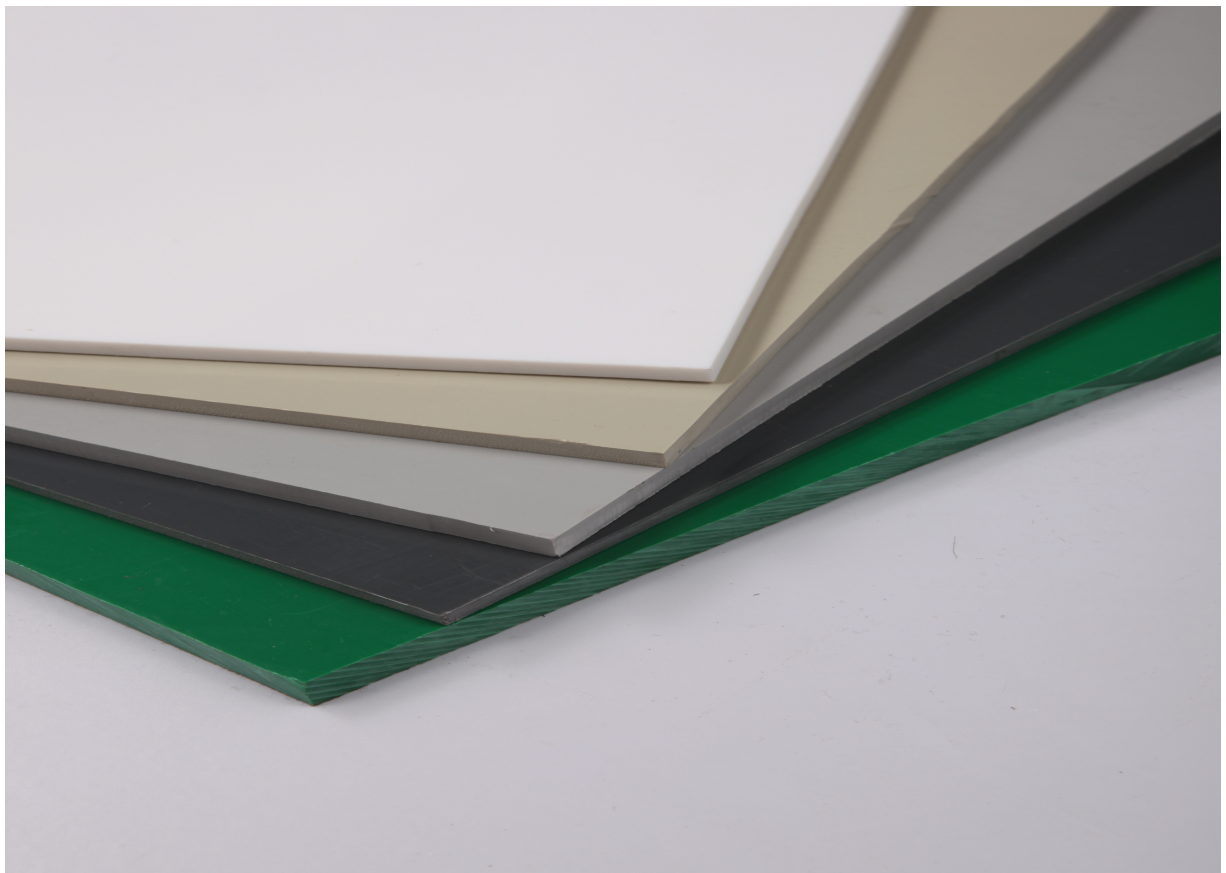


# **PVC rigid sheets**

**Polyvinyl chloride rigid sheets**

**PVC-S series**



<p><b>Classifications</b></p>	<p>PVC Industrial Sheets                      PVC Decoration Sheets                      PVC UV Stabilized Sheets                      PVC Vacuum Forming Sheets</p>
<p><b>Sizes</b></p>	<p>Thickness range: 1mm~30mm                      Width: 1mm~3mm:1000mm~1300mm                      4mm~20mm:1000mm~1500mm                      25mm~30mm: 1000mm~1300mm                      35mm~40mm: 1000mm                      Length: Any length.</p>
<p><b>Surface</b></p>	<p>Glossy, matt, Embossed (can make the exact patterns according to customers' requirements.)</p>
<p><b>Standard Colors</b></p>	<p>Dark grey(RAL7011), light grey, black, white, blue, green, red and any other colors according to customers' requirements.</p>
<p><b>Characteristics</b></p>	<p>Excellent chemical and corrosion resistance;                      Excellent impact strength;                      Easily to fabricate, weld or machine;                      Easily vacuum formable;                      High rigidity and superior strength;                      Reliable electrical insulation;                      Good features for printing;                      Low flammability,                      Self-extinguishing.</p>
<p><b>Applications</b></p>	<p>1) PVC Industrial sheets are widely used in general and chemical industries, such as Lab equipment, Etching equipment, Semiconductor processing equipment, plating barrels, water tank, chemical storing tank, oil tank, storing tank for brewing water, acid or alkali production tower, acid or alkali washing tower, photograph developing instruments; Electrical industries for battery box, electrometer plate, electrolytic tank and various plates for electrical insulation and so on.                      2) PVC Decoration sheets with various colors and surfaces are widely used for inside and outside constructions, such as signboard for advertisement, wall cladding of office and public utilities, door panels and so on.                      3) PVC UV Stabilized sheets with special high stability to light and weather are widely used for outside constructions, such as Signs, wall cladding, air vents and so on.                      4) PVC Vacuum forming sheets with good vacuum forming features are used for signboards, inside decoration, automotive interiors, refrigerator liners, household appliances shell, door panels and commodities, cosmetics, sporting goods, automotive supplies, electronics, toys' skin packing and so on.</p>

## LIDA PVC rigid sheets    PVC-S series

### Standard sizes

Standard sizes				
Thickness	1220mm×2440mm	1500mm×3000mm	1300mm×2000mm	1000mm×2000mm
1mm~1.5mm	√			√
2mm~3mm	√		√	√
4mm~20mm	√	√	√	√
25mm~30mm	√		√	√
35mm~40mm				√

We can also provide any other sizes according to your special needs.

### Technical Data Sheet of PVC rigid sheet

	Test Standard (GB/T 22789.1-2008)	Unit	Typical Value
<b>Physical</b>			
Density	1.45~1.5	g/cm <sup>3</sup>	1.45
<b>Mechanical</b>			
Tensile Strength (Length/Breadth)	≥45	Mpa	52.9/48.9
Elongation (Length/Breadth)	≥8	%	29/32
Notch Impact Strength (Length/Breadth)	≥5	KJ/m <sup>2</sup>	7.83/7.57
Charpy Unnotched Impact Strength 0℃ -20℃	---- ----	KJ/m <sup>2</sup> KJ/m <sup>2</sup>	pendulum 4J Sample not break
Bending Strength V=2mm/min	-----	Mpa	76.2
Ball Indentation Hardness 358N (h: 0.118~0.138)	-----	N/m m <sup>2</sup>	221
<b>Thermal</b>			
Vicat Softening Temperature	≥70	℃	76.8
Heat Shrinkage (Length/Breadth)	-4~+4	%	+1.9/-0.1
Deflection temperature under load (Length/Breadth)	----	℃	69.5/69.7
<b>Chemical</b>			
35%±1% (v/v) HCl 5h 60℃	±10	g/ cm <sup>3</sup>	+5
30%±1% (v/v) H <sub>2</sub> SO <sub>4</sub> 5h 60℃	±8	g/ cm <sup>3</sup>	+4
40%±1% (v/v) HNO <sub>3</sub> 5h 60℃	±8	g/ cm <sup>3</sup>	+4
40%±1% (v/v) NaOH 5h 60℃	±5	g/ cm <sup>3</sup>	+2
<b>Electrical</b>			
Volume Resistivity	----	ohm·cm	5.5×10 <sup>13</sup>

ROHS certificate



Test Report

No. TSNEC1000571001 Date: 16 Sep 2010 Page 1 of 4

BAODING LIDA PLASTIC INDUSTRY CO., LTD. SHUNPING BRANCH
PING'AN WEST STREET, PUYANG TOWN, SHUNPING COUNTY, BAODING CITY, HEBEI
PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as :
PVC SHEET

- SGS Job No. : 1042280 - TJ
Composition : PVC RESIN CaCO3 ORGANOTIN ADDITIVES
Model No. : PVC SHEET
Date of Sample Received : 24 Aug 2010
Testing Period : 24 Aug 2010 - 27 Aug 2010
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Conclusion : Based on the performed tests on submitted sample(s), the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS-CSTC Ltd.

[Handwritten signature]

Reabeca Zhou
Approved Signatory

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## Test Report

No. TSNEC1000571001

Date: 16 Sep 2010

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### Test Results:

ID for specimen 1 : TSN10-005710.001  
 Description for specimen 1 : ivory-white plastic sheet

### RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321 Ed.1: 2008, ICP-OES	N.D.	2	100
Lead (Pb)	mg/kg	IEC 62321 Ed.1: 2008, ICP-OES	N.D.	2	1000
Mercury (Hg)	mg/kg	IEC 62321 Ed.1: 2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321 Ed.1: 2008, UV-Vis	N.D.	2	1000
Sum of PBBs	mg/kg	-	N.D.	-	1000
Monobromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Dibromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Tribromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Tetrabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Pentabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Hexabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Heptabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Octabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Nonabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Decabromobiphenyl	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Sum of PBDEs	mg/kg	-	N.D.	-	1000
Monobromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Dibromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Tribromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Tetrabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Pentabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Hexabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Heptabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Octabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Nonabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	
Decabromodiphenyl ether	mg/kg	IEC 62321 Ed.1: 2008, GC-MS	N.D.	5	

### Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not regulated
5. The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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Test Report

No. TSNEC1000571001

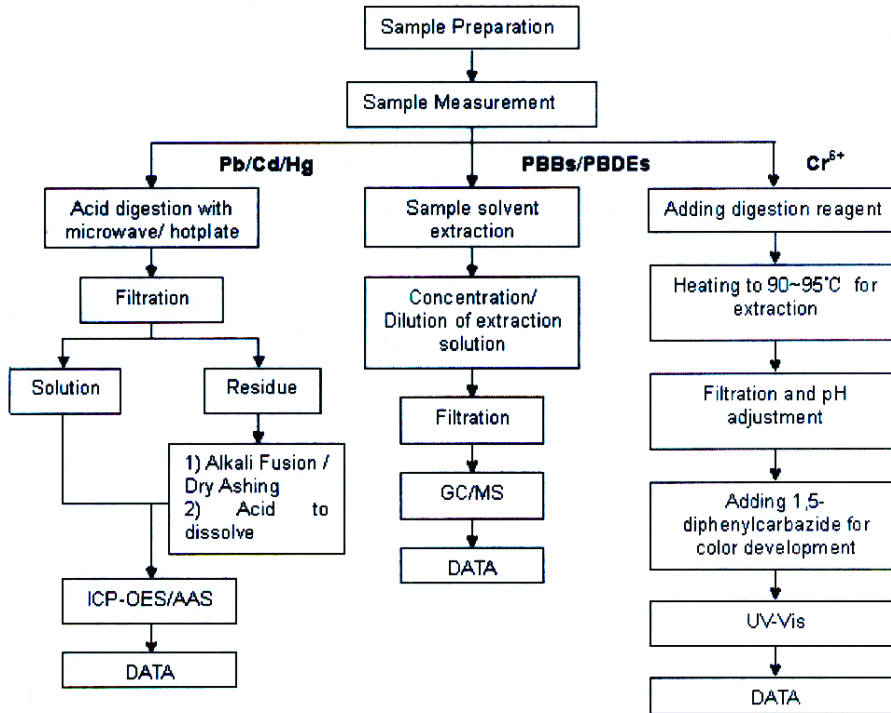
Date: 16 Sep 2010

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ATTACHMENTS

Cd/Pb/Hg/Cr<sup>6+</sup>/PBBs/PBDEs Flow Chart

- 1) Name of the person who made testing: Sky Shi/James Wang/Winnie Zhang/Angell Yao
- 2) Name of the person in charge of testing: Cindy Yin/Rex Zhu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded)



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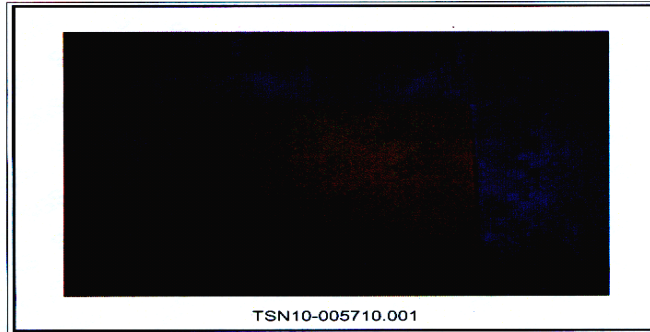
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Sample photo:



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