

PVC rods

Polyvinyl chloride rods

PVC-R series



Classifications	PVC Round Rods PVC Square Rods
Sizes(OD)	mm sizes: 10, 13, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120, 130, 140, 150, 160, 180, 200 Inch sizes: 0.375", 0.5", 0.625", 0.75", 1", 1.25", 1.375", 1.625" 1.75", 2", 2.25", 2.5", 2.75", 3", 3.25", 3.5", 3.75" 4", 5", 5.125", 5.5", 6", 6.5", 7", 8".
Standard Colors	Dark grey(RAL7011), black, white, red and any other colors according to customers' requirements.
Characteristics	Excellent chemical and corrosion resistance; Excellent formability; Low flammability; High rigidity; Reliable electrical insulation.
Applications	Widely used for machined parts, jointing of structure parts in food, pharmaceutical, chemical industries and so on.

Specifications & Weight list**Density: 1.45**

Size (mm)	Tolerance(mm)	Inch Size (")	Weight/meter (KG)
10	10-11.5	0.375"	0.151
13	13-13.5	0.5"	0.208
15	15-16.5	0.625"	0.31
20	20-21.5	0.75"	0.526
25	25-26.5	1"	0.8
30	30-31.5	1.25"	1.13
35	35-36.5	1.375"	1.517
40	40-41.5	1.625"	1.961
45	45-47.5	1.75"	2.568
50	50-52.5	2"	3.138
55	55-57.5	2.25"	3.763
60	60-62.5	----	4.446
65	65-67.5	2.5"	5.186
70	70-72.5	2.75"	5.983
75	75-78.5	3"	7.014
80	80-83.5	3.25"	7.936
85	85-86.5	----	8.517
90	90-93.5	3.5"	9.951
95	95-98	3.75"	10.932
100	100-103.5	4"	12.193
110	110-113.5	----	14.663
120	120-123.5	----	17.361
130	130-134	5"	20.439
140	140-144	5.5"	23.407
150	150-154	6"	26.995
160	160-163.5	----	30.317
180	180-181	7"	37.29
200	200-201	----	45.987

Specifications & Weight list**Density: 1.55**

Size (mm)	Tolerance(mm)	Inch Size (")	Weight (KG)
10	10-11.5	0.375"	0.161
13	13-13.5	0.5"	0.222
15	15-16.5	0.625"	0.331
20	20-21.5	0.75"	0.562
25	25-26.5	1"	0.854
30	30-31.5	1.25"	1.207
35	35-36.5	1.375"	1.621
40	40-41.5	1.625"	2.096
45	45-47.5	1.75"	2.745
50	50-52.5	2"	3.354
55	55-57.5	2.25"	4.023
60	60-62.5	----	4.753
65	65-67.5	2.5"	5.544
70	70-72.5	2.75"	6.396
75	75-78.5	3"	7.498
80	80-83.5	3.25"	8.483
85	85-86.5	----	9.104
90	90-93.5	3.5"	10.637
95	95-98	3.75"	11.686
100	100-103.5	4"	13.034
110	110-113.5	----	15.674
120	120-123.5	----	18.558
130	130-134	5"	21.848
140	140-144	5.5"	25.021
150	150-154	6"	28.856
160	160-163.5	----	32.407
180	180-181	7"	39.862
200		----	49.158

Technical Data Sheet of PVC rod

	Test Standard (Q/BLD2007-04)	Unit	Typical Value
Physical			
Density	≤1.50	g/cm ³	1.45
Mechanical			
Tensile Strength	≥48	Mpa	50
Elongation	≥10	%	11
Impact Strength	≥10	Mpa	11
Thermal			
Vicat Softening Temperature	≥70	°C	76.8
Distortion temperature	≥68	°C	68
Chemical			
35%±1% (v/v) HCl	±4	g/ cm ²	+2
30%±1% (v/v) H ₂ SO ₄	±3	g/ cm ²	+1
40%±1% (v/v) HNO ₃	±3	g/ cm ²	+1
40%±1% (v/v) NaOH	±3	g/ cm ²	+1

ROSH certificate



Test Report

No. TSNEC1000469501

Date: 26 Jul 2010

Page 1 of 4

BAODING LIDA PLASTIC INDUSTRY CO.,LTD
NO 2222 SOUTH THE SECOND RING ROAD BAODING CITY
710000, CHINA

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

SGS Job No. : 1036372 - TJ
SGS Internal Reference No. : 3.1
Composition : PVC RESIN
Model No. : SG-5
Date of Sample Received : 21 Jul 2010
Testing Period : 21 Jul 2010 - 26 Jul 2010

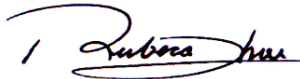
Test Requested : Selected test(s) as requested by client.

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.



Reabeca Zhou
Approved Signatory

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Chemical Laboratory



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Test Report

No. TSNEC1000469501

Date: 26 Jul 2010

Page 2 of 4

Test Results:

ID for specimen 1 : TSN10-004695.001

Description for specimen 1 : gray plastic rod

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	45	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. TSNEC1000469501

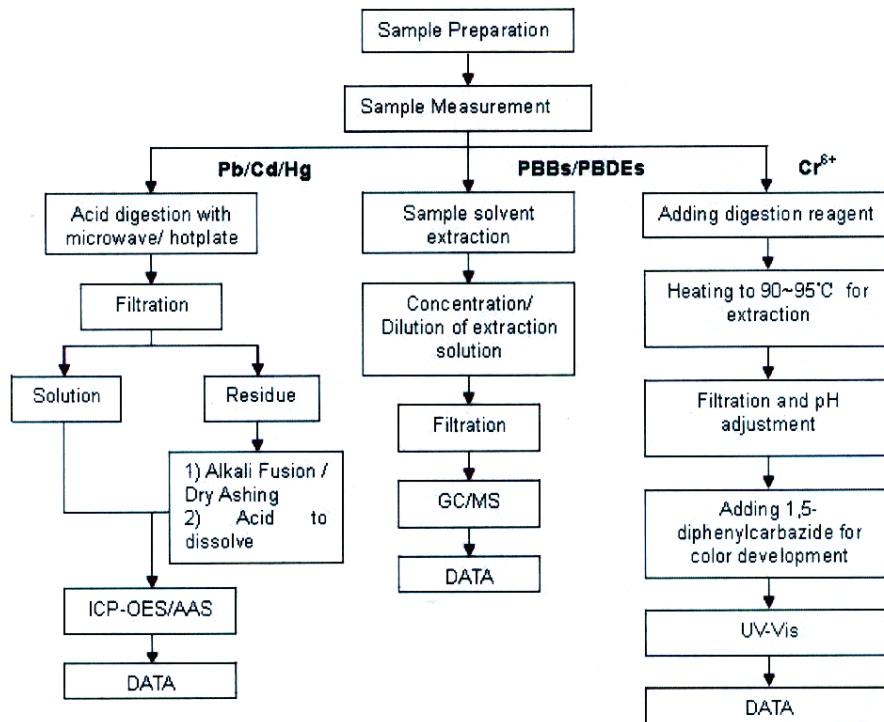
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Page 3 of 4

ATTACHMENTS

Cd/Pb/Hg/Cr⁶⁺/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. (Cr⁶⁺ and PBBs/PBDEs test method excluded)



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No. TSNEC1000469501

Date: 26 Jul 2010

Page 4 of 4

Sample photo:



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