

POLYSHADE[®] POLYCARBONATE SHEETS

CB CANADA
PLASTICS & BELTING
WHOLESALE PLASTIC DISTRIBUTOR
100 Dynamic Drive Units 5-7
Scarborough ON M1V5C1 Canada
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国际互认
检测
TESTING
CNAS L5954

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.

TEST REPORT

Report No: WDX20070316EN

Applicant : Canada Plastics & Belting

Date : July 14, 2020

Edited by : Calbi Lu

Reviewed by: Nancy Liang

Approved by: Andy Zhu



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Applicant : Canada Plastics & Belting – POLYSHADE Polycarbonate Sheets

Address : 100 Dynamic Drive Units 5-7, Scarborough, ON M1V5C1, Canada

The following merchandise was (were) submitted and identified by client as:

Sample Name : Polycarbonate Sheet 8mm/10mm

Number of Samples : 2 pcs

Use of sample : Electronic Materials

Sample Received Date : July 10, 2020

Completed Date : July 14, 2020

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

Test Requested and Conclusion(s):

| No. | Test Sample | Standard and Requirement | Conclusion(s) |
|-----|---------------------------------------|--|---------------|
| 1 | Tested materials of submitted samples | RoHS 2.0 Directive 2011/65/EU and its Commission delegated Directive (EU) 2015/863 | PASS |

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Test Result(s):

RoHS - Lead (Pb) / Cadmium(Cd) / Mercury(Hg) / Hexavalent Chromium(Cr6+)

Method:

Lead (Pb) / Cadmium(Cd) - IEC 62321-5 : 2013

Mercury(Hg) - IEC 62321 - 4 : 2013 + AMD1 : 2017

Hexavalent Chromium(Cr⁶⁺) - IEC 62321 - 7 - 2 : 2017

Analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) and Ultraviolet-visible Spectroscopy (UV-Vis).

| Test Item(s) | Pb | Cd | Hg | Cr ⁶⁺ | Conclusion(s) |
|---------------|----------------|-----|------|------------------|---------------|
| Limit (mg/kg) | 1000 | 100 | 1000 | 1000 | |
| Material No. | Result (mg/kg) | | | | PASS |
| 1+2 | ND | ND | ND | ND | |

Note:

1. mg/kg = milligram per kilogram (ppm).
2. ND = Not Detected (<RL).
3. RL (Reporting Limit) = 10 mg/kg.
4. "+" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

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Test Result(s):

RoHS - PBBs & PBDEs

Method:

IEC 62321-3-1 : 2013 & IEC 62321-6 : 2015

Analyzed by EDXRF & Gas Chromatograph - Mass Spectrometry (GC-MS).

| Material No. | Test Item(s) | Result (mg/kg) | | Limit (mg/kg) | Conclusion |
|------------------------|-------------------------|----------------|------------|---------------|-------------|
| 1+2 | PBBs | -- | SUM | 1000 | PASS |
| | Monobromobiphenyl | ND | ND | -- | -- |
| | Dibromobiphenyl | ND | | -- | -- |
| | Tribromobiphenyl | ND | | -- | -- |
| | Tetrabromobiphenyl | ND | | -- | -- |
| | Pentabromobiphenyl | ND | | -- | -- |
| | Hexabromobiphenyl | ND | | -- | -- |
| | Heptabromobiphenyl | ND | | -- | -- |
| | Octabromobiphenyl | ND | | -- | -- |
| | Nonabromobiphenyl | ND | | -- | -- |
| | Decabromobiphenyl | ND | | -- | -- |
| | PBDEs | -- | SUM | 1000 | PASS |
| | Monobromodiphenylether | ND | ND | -- | -- |
| | Dibromodiphenylether | ND | | -- | -- |
| | Tribromodiphenylether | ND | | -- | -- |
| | Tetrabromodiphenylether | ND | | -- | -- |
| | Pentabromodiphenylether | ND | | -- | -- |
| | Hexabromodiphenylether | ND | | -- | -- |
| | Heptabromodiphenylether | ND | | -- | -- |
| | Octabromodiphenylether | ND | | -- | -- |
| Nonabromodiphenylether | ND | -- | | -- | |
| Decabromodiphenylether | ND | -- | | -- | |

Note:

1. mg/kg = milligram per kilogram (ppm).
2. ND = Not Detected (<RL).
3. RL (Reporting Limit) = 10 mg/kg.
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Test Result(s):

Phthalates

Method:

With reference to IEC 62321-8 : 2017

Analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

| Substances | DBP | BBP | DEHP | DIBP | Conclusion(s) |
|---------------|----------------|---------|----------|---------|---------------|
| CAS No. | 84-74-2 | 85-68-7 | 117-81-7 | 84-69-5 | |
| Limit (mg/kg) | 1000 | 1000 | 1000 | 1000 | |
| RL (mg/kg) | 30 | 30 | 30 | 30 | |
| Material No. | Result (mg/kg) | | | | |
| 1+2 | ND | ND | ND | ND | PASS |

Note:

1. mg/kg = milligram per kilogram (ppm).
2. ND = Not Detected (<RL).
3. RL (Reporting Limit) = 10 mg/kg.
4. "+" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

Test Material List

| Material No. | Description | Location |
|--------------|---------------------------|-----------|
| 1 | Transparent brown plastic | Main body |
| 2 | Transparent plastic | Main body |

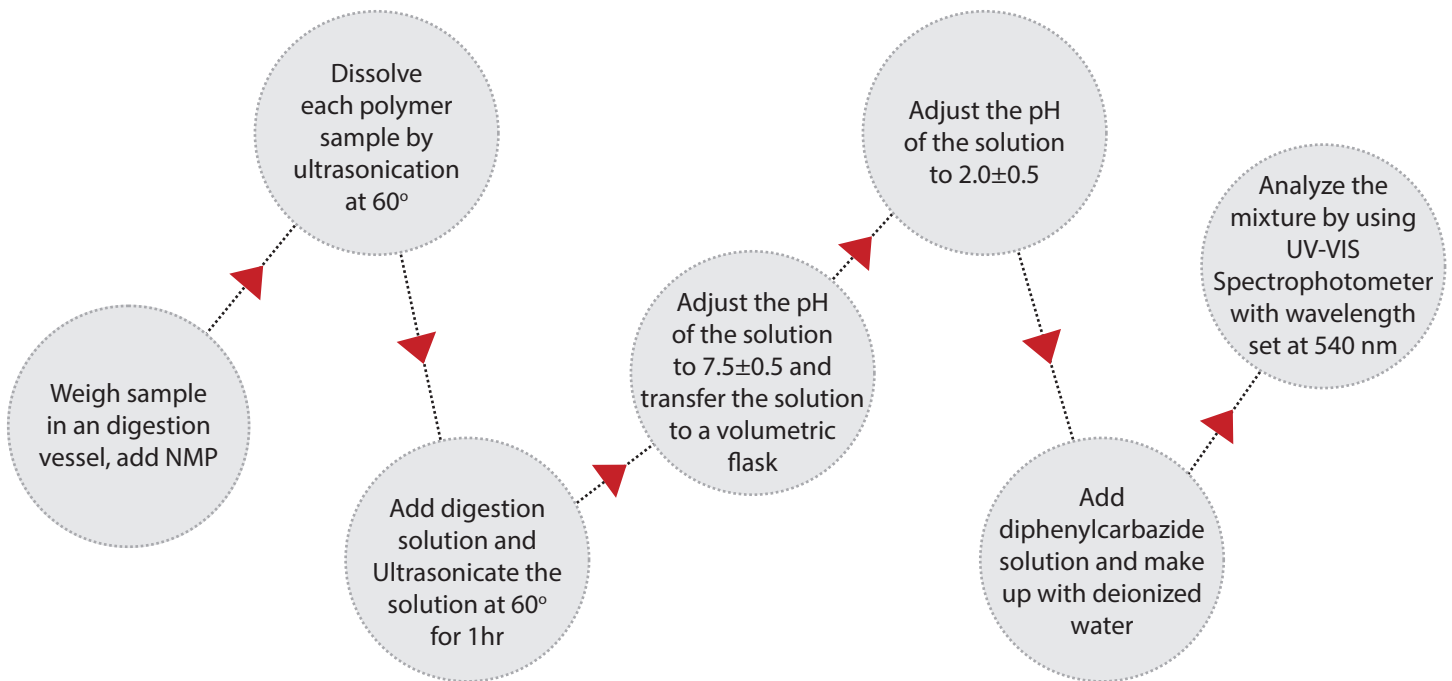
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Test Process Flow:

1. Lead, Cadmium, Mercury



2. Test for Chromium (VI) (Cr⁶⁺) Content



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Test Process Flow:

3. PBBs & PBDEs

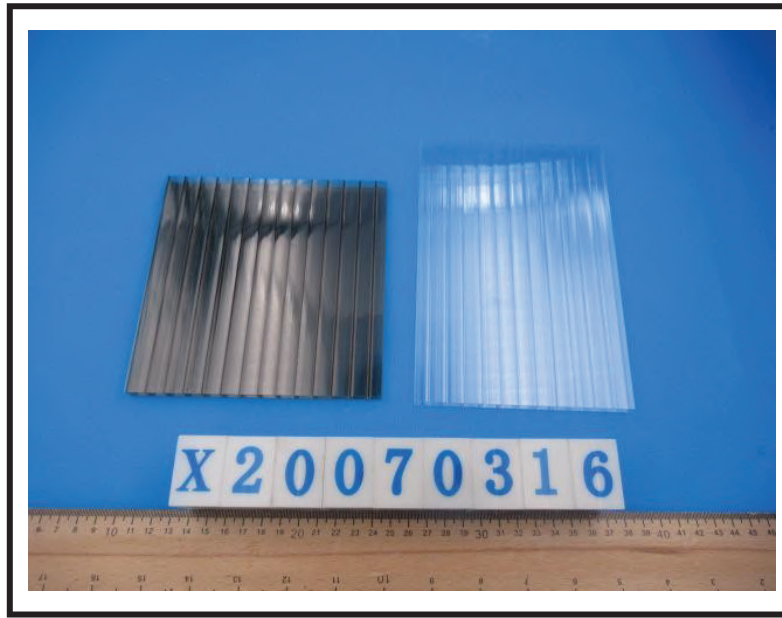


4. Phthalates



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Photo(s) of Sample(s):



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