



Verification Testing Laboratory Analysis/Test Report

Date Received: 2011/04/07

Assignment No: 100A011-J110748

Date Issued: 2011/04/19

Applicant: TID WAY PLASTIC INDUSTRIAL
CO., LTD.

Address: NO.141, SAN KWAI TZOU, DU TOU
VILL., KWAN-TIEN HSIANG,
TAIWAN

Articles: (Bronze) Small Circular Corrugate Sheet

- Notice: 1. There are 2 pages in this report, including the cover page. The Test Report has to be presented, if necessary, as complete copy, not part of it.
2. The contents of this report is for reference only, not for advertising, general public or any other commercial purposes.
3. The article(s) - name of the article(s) to be tested and Sampler(s) is supplied by the applicant; PIDC is responsible for carrying out necessary analyzing procedures only.
4. The Analysis/Test Report is invalid, if it is modified or duplicated without PIDC's permission.
5. PIDC does not guarantee the reported values in the Report when test is done by using other test pieces. The Test Report may not be used as evidence in a court of law.
6. Only the original copy is considered to be official one.
7. This result of experience is acquired by statistics and analysis to be provided with representative conclusion.
8. "*" Means the method has been certified by ISO/IEC 17025.

Authorized by

Scott Liao
Group Leader





Verification Testing Laboratory Analysis/Test Report

Application No : 100A011-J110748
Date Tested : 2011/04/14~2011/04/18

| Item(s)/ Method(s) | Result(s) | Note |
|--|-------------|------|
| 1. Coefficient of Effective Thermal Conductivity Ref. ISO 22007-2 | 0.187 W/m.K | |
| 2. Yellowness Index Ref. ASTM E313 | 53.3 | |
| 3. Transmittance Test Ref. ASTM D1003 | 11.9% | |

REMARK :

- Specimen Preparation Method: Provided by Customer
 Conditioning - temperature: 23±2 ℃
 Conditioning - relative humidity: 50±5 %
 Conditioning - time: over 40 hrs
 Experimental Condition - temperature: 23±2 ℃
 Experimental Condition - relative humidity: 50±5 %
- Coefficient of Effective Thermal Conductivity
 - Test temperature: 23±2 ℃
 - The test is performed by Techmark Precision Instrument Co., Ltd.
 - Yellowness Index
 - Light source: C (2°)
 - Target Mask: ϕ 25.4 mm
 - Measure Wavelength: 400 - 700 nm
 - Specimen Mean Thickness: 0.87 mm
 - Transmittance Test
 - Light source: C (2°)
 - Specimen Mean Thickness: 0.87 mm
<Blank Below>



財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2011/04/07

Assignment No: 100A011-J110751

Date Issued: 2011/04/19

Applicant : TID WAY PLASTIC INDUSTRIAL
CO., LTD.

Address : NO.141, SAN KWAI TZOU, DU TOU
VILL., KWAN-TIEN HSIANG,
TAIWAN

Articles : (Primilite Heat-Insulated) Small Circular
Corrugate Sheet

- Notice: 1. There are 2 pages in this report, including the cover page. The Test Report has to be presented, if necessary, as complete copy, not part of it.
2. The contents of this report is for reference only, not for advertising, general public or any other commercial purposes.
3. The article(s) name of the article(s) to be tested and Sampler(s) is supplied by the applicant; PIDC is responsible for carrying out necessary analyzing procedures only.
4. The Analysis/Test Report is invalid, if it is modified or duplicated without PIDC's permission.
5. PIDC does not guarantee the reported values in the Report when test is done by using other test pieces. The Test Report may not be used as evidence in a court of law.
6. Only the original copy is considered to be official one.
7. This result of experience is acquired by statistics and analysis to be provided with representative conclusion.
8. "*" Means the method has been certified by ISO/IEC 17025.

Authorized by

Scott Liao
Group Leader





Verification Testing Laboratory Analysis/Test Report

Application No : 100A011-J110751
Date Tested : 2011/04/14-2011/04/18

| Item(s)/ Method(s) | Result(s) | Note |
|--|-------------|------|
| 1. Coefficient of Effective Thermal Conductivity Ref. ISO 22007-2 | 0.232 W/m.K | |
| 2. Yellowness Index Ref. ASTM E313 | 28.2 | |
| 3. Transmittance Test Ref. ASTM D1003 | 56.3 % | |

REMARK :

Specimen Preparation Method: Provided by Customer

Conditioning - temperature: 23±2 °C

Conditioning - relative humidity: 50±5 %

Conditioning - time: over 40 hrs

Experimental Condition - temperature: 23±2 °C

Experimental Condition - relative humidity: 50±5 %

1. Coefficient of Effective Thermal Conductivity
 - 1.1 Test temperature: 23±2 °C
 - 1.2 The test is performed by Techmark Precision Instrument Co., Ltd.
2. Yellowness Index
 - 2.1 Light source: C (2°)
 - 2.2 Target Mask: ϕ 25.4 mm
 - 2.3 Measure Wavelength: 400 - 700 nm
 - 2.4 Specimen Mean Thickness: 1.05 mm
3. Transmittance Test
 - 3.1 Light source: C (2°)
 - 3.2 Specimen Mean Thickness: 1.05 mm

<Blank Below>



財團法人 塑膠工業技術發展中心
Plastics Industry Development Center

Verification Testing Laboratory Analysis/Test Report

Date Received: 2011/04/07

Assignment No: 100A011-J110750

Date Issued: 2011/04/19

Applicant : TID WAY PLASTIC INDUSTRIAL
CO., LTD.

Address : NO.141, SAN KWAI TZOUE, DU TOU
VILL., KWAN-TIEN HSIANG,
TAIWAN

Articles : (Green Heat-Insulated) Small Circular
Corrugate Sheet

- Notice: 1. There are 2 pages in this report, including the cover page. The Test Report has to be presented, if necessary, as complete copy, not part of it.
2. The contents of this report is for reference only, not for advertising, general public or any other commercial purposes.
3. The article(s) / name of the article(s) to be tested and Sampler(s) is supplied by the applicant ; PIDC is responsible for carrying out necessary analyzing procedures only.
4. The Analysis/Test Report is invalid, if it is modified or duplicated without PIDC's permission.
5. PIDC does not guarantee the reported values in the Report when test is done by using other test pieces. The Test Report may not be used as evidence in a court of law.
6. Only the original copy is considered to be official one.
7. This result of experience is acquired by statistics and analysis to be provided with representative conclusion.
8. "*" Means the method has been certified by ISO/IEC 17025.

Authorized by

Scott Liao
Group Leader





Verification Testing Laboratory Analysis/Test Report

Application No : 100A011-J110750
Date Tested : 2011/04/14~2011/04/18

| Item(s)/ Method(s) | Result(s) | Note |
|--|-------------|------|
| 1. Coefficient of Effective Thermal Conductivity Ref: ISO 22007-2 | 0.190 W/m K | |
| 2. Yellowness Index Ref: ASTM E313 | -7.54 | |
| 3. Transmittance Test Ref: ASTM D1003 | 51.3 % | |

REMARK :

- Specimen Preparation Method: Provided by Customer
 Conditioning - temperature: 23±2 °C
 Conditioning - relative humidity: 50±5 %
 Conditioning - time: over 40 hrs
 Experimental Condition - temperature: 23±2 °C
 Experimental Condition - relative humidity: 50±5 %
- Coefficient of Effective Thermal Conductivity
 - 1.1 Test temperature: 23±2 °C
 - 1.2 The test is performed by Techmark Precision Instrument Co., Ltd.
 - Yellowness Index
 - 2.1 Light source: C (2°)
 - 2.2 Target Mask: ϕ 25.4 mm
 - 2.3 Measure Wavelength: 400 ~ 700 nm
 - 2.4 Specimen Mean Thickness: 0.87 mm
 - Transmittance Test
 - 3.1 Light source: C (2°)
 - 3.2 Specimen Mean Thickness: 0.87 mm
<Blank Below>