



財團法人全國認證基金會
Taiwan Accreditation Foundation

認證證書

(證書編號：L0340-241015)

茲證明

華夏海灣塑膠股份有限公司

材料測試實驗室

苗栗縣頭份市民族路 571 號

為本會認證之實驗室

認證依據：ISO/IEC 17025：2017；CNS 17025：2018

認證編號：0340

初次認證日期：八十五年十二月一日

認證有效期間：一百一十三年十一月十一日至一百一十六年十一月
十日止

認證範圍：測試領域，如續頁

董事長

陳怡鈴



掃描確認真偽

中華民國一一三年十月十五日

認證編號：0340

實驗室主管：姚永笛

■ 06.01 高分子及複合材料
硬質聚氯乙炔電線導管
E007 絕緣性及絕緣電阻試驗
CNS 1302

報告簽署人：姚永笛；陳明秀；葉碧琪

M004 耐衝擊
CNS 1302

報告簽署人：姚永笛；陳明秀；葉碧琪

T001 耐燃試驗
CNS 1302

報告簽署人：姚永笛；陳明秀；葉碧琪

■ 06.01 高分子及複合材料
塑膠材料及製品
M001 塑膠硬度
ASTM D2240
HDA (10 to 95)
HDD (10 to 95)

報告簽署人：姚永笛；陳明秀；葉碧琪

■ 06.01 高分子及複合材料
硬質聚氯乙炔塑膠管
自來水用硬質聚氯乙炔塑膠管
耐衝擊硬質聚氯乙炔塑膠管
M002 抗拉降伏強度
CNS 1298
CNS 4053-1
CNS 14345
啞鈴形試片
10 N to 10 kN

報告簽署人：姚永笛；陳明秀；葉碧琪



06.01 高分子及複合材料

塑膠材料及製品

M002 拉伸

ASTM D638 (Type I, IV 試片)

10 N to 10 kN

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

06.01 高分子及複合材料

硬質聚氯乙烯塑膠管

自來水用硬質聚氯乙烯塑膠管

耐衝擊硬質聚氯乙烯塑膠管

硬質聚氯乙烯電線導管

硬質聚氯乙烯塑膠芯層發泡管

M017 尺度

CNS 1298

CNS 4053-1

CNS 14345

CNS 1302

CNS 14589

測微計: (0.5 to 25) mm

卡尺: (1 to 450) mm

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

M201 壓扁試驗

CNS 1298

CNS 4053-1

CNS 14345

CNS 1302

CNS 14589

100 N to 10 kN

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

06.01 高分子及複合材料

硬質聚氯乙烯塑膠管

自來水用硬質聚氯乙烯塑膠管

耐衝擊硬質聚氯乙烯塑膠管

硬質聚氯乙烯電線導管

塑膠材料及製品

M020 熱變形

CNS 1298

CNS 4053-1

CNS 14345

CNS 1302

ASTM D648

烘箱: (50 to 145) °C

Vicat: (60 to 150) °C

HDT: (60 to 150) °C

報告簽署人: 姚永笛; 陳明秀; 葉碧琪



06.01 高分子及複合材料
硬質聚氯乙烯塑膠管
自來水用硬質聚氯乙烯塑膠管
耐衝擊硬質聚氯乙烯塑膠管
硬質聚氯乙烯塑膠芯層發泡管
M025 偏圓率
CNS 1298
CNS 4053-1
CNS 14345
CNS 14589

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

06.01 高分子及複合材料
硬質聚氯乙烯塑膠管
自來水用硬質聚氯乙烯塑膠管
耐衝擊硬質聚氯乙烯塑膠管
塑膠材料及製品
M028 密度與比重
CNS 1298
CNS 4053-1
CNS 14345
CNS 13333-1 (A 法)
ASTM D792 (A 法)

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

06.01 高分子及複合材料
硬質聚氯乙烯塑膠管
耐衝擊硬質聚氯乙烯塑膠管
M033 浸漬試驗
CNS 1298
CNS 14345
蒸餾水, 10 % 氯化鈉溶液, 30 % 硫酸, 40 % 氫氧化鈉溶液, 40 % 硝酸

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

06.01 高分子及複合材料
硬質聚氯乙烯塑膠管
自來水用硬質聚氯乙烯塑膠管
耐衝擊硬質聚氯乙烯塑膠管
M056 直管耐水壓, 接合部耐水壓
CNS 1298
CNS 4053-1
CNS 14345

報告簽署人: 姚永笛; 陳明秀; 葉碧琪



■ 06.01 高分子及複合材料
硬質聚氯乙烯塑膠管
自來水用硬質聚氯乙烯塑膠管
耐衝擊硬質聚氯乙烯塑膠管
硬質聚氯乙烯電線導管
M994 單位長度質量
CNS 1298
CNS 4053-1
CNS 14345
CNS 1302
數位游標卡尺: (1 to 450) mm

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

■ 06.01 高分子及複合材料
耐衝擊硬質聚氯乙烯塑膠管
硬質聚氯乙烯塑膠芯層發泡管
M999 剛性
CNS 14345 (2005)
CNS 14589
100 N to 10 kN

報告簽署人: 姚永笛; 陳明秀; 葉碧琪

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財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No : L0340-241015)

This is to certify that

China General Plastics Corporation

Material Testing Laboratory

571, Minzu Road , Toufen City, Miaoli County, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 0340

Originally Accredited : December 01, 1996

Effective Period : November 11, 2024 to November 10, 2027

Accredited Scope : Testing Field, see described in the Appendix



Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
October 15, 2024

Accreditation Number : 0340

Laboratory Head : YAO, Swim

■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (UPVC) for electric conduit use
E007 Insulation and Insulation Resistance Test
CNS 1302

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

M004 Impact Resistance
CNS 1302

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

T001 Flammability
CNS 1302

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Plastics material and product
M001 Durometer Hardness
ASTM D2240
HDA (10 to 95)
HDD (10 to 95)

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
M002 Tensile strength at yield test
CNS 1298
CNS 4053-1
CNS 14345
Dumbbell Specimen
10 N to 10 kN

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Plastics material and product
M002 Tension
ASTM D638 (Type I, IV Specimen)
10 N to 10kN

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

P2, total 5 pages

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
Unplasticized polyvinyl chloride (UPVC) for electric conduit use
Coextruded polyvinyl chloride (PVC) plastic pipe with a cellular core
M017 Dimension
CNS 1298
CNS 4053-1
CNS 14345
CNS 1302
CNS 14589
Micrometer: (0.5 to 25) mm
Caliper: (1 to 450) mm

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

M201 Flattening Test
CNS 1298
CNS 4053-1
CNS 14345
CNS 1302
CNS 14589
100 N to 10 kN

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

M994 Mass per Unit Length
CNS 1298
CNS 4053-1
CNS 14345
CNS 1302
Digimatic Caliper: (1 to 450) mm

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
Unplasticized polyvinyl chloride (UPVC) for electric conduit use
Plastics material and product
M020 Heat Distortion
CNS 1298
CNS 4053-1
CNS 14345
CNS 1302
ASTM D648
Oven: (50 to 145) °C
Vicat: (60 to 150) °C
HDT: (60 to 150) °C

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi



■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
Coextruded polyvinyl chloride (PVC) plastic pipe with a cellular core
M025 Eccentricity
CNS 1298
CNS 4053-1
CNS 14345
CNS 14589

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
Plastics material and product
M028 Density and Specific Gravity
CNS 1298
CNS 4053-1
CNS 14345
CNS 13333-1 (Method A)
ASTM D792 (Method A)

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized high impact polyvinyl chloride pipes
M033 Immersion
CNS 1298
CNS 14345
H₂O (Dist.) , NaCl (10 % Solution) , H₂SO₄ (30 % Solution) , NaOH (40 % Solution) ,
HNO₃ (40 % Solution)

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

■ 06. 01 Polymer and Composite Materials
Unplasticized polyvinyl chloride (PVC-U) pipes
Unplasticized polyvinyl chloride (PVC-U) pipes for water supply
Unplasticized high impact polyvinyl chloride pipes
M056 Pressure resistance for pipe, Pressure resistance at joint part
CNS 1298
CNS 4053-1
CNS 14345

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi



06. 01 Polymer and Composite Materials
Unplasticized high impact polyvinyl chloride pipes
Coextruded polyvinyl chloride (PVC) plastic pipe with a cellular core
M999 Rigidity
CNS 14345 (2005)
CNS 14589
100 N to 10 kN

Approval Signatory: YAO, Swim; CHEN, Ming-Show; YEH, Pi-Chi

(Null below)

