



Certificate No. : L0340-210721

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

Certificate of Accreditation

This is to certify that

China General Plastics Corporation
Material Testing Laboratory

571, Minzu Road , Toufen City, Miaoli County 35159 ,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, 2018 to March 10, 2022
Accredited Scope : Testing Field, see described in the Appendix

Ching-Chang Lien
President, Taiwan Accreditation Foundation
Date : July 21, 2021



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Accreditation Number : 0340

Laboratory Head : YAO, Swim

■ 06. 01 Polymer and Composite Materials
Polyvinyl Chloride Lining Sheets for Anti-corrosion
C053 Chemical resistance
CNS 13872
direction, Tensile strength in long-direction

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

M031 Pulling Strength of Fixing Key
CNS 13872
10 N to 10 kN

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

■ 06. 01 Polymer and Composite Materials
Unplasticized Polyvinyl Chloride Pipes 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



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06. 01 Polymer and Composite Materials
Plastics Material and Product
M001 Durometer Hardness
ASTM D2240
CNS 12628
CNS 13872
HDA (20 to 90)
HDD (20 to 90)

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

06. 01 Polymer and Composite Materials
Plastic Material and Product
Roofing sheets for Waterproofing
M002 Tension
CNS 4396 (1992) (No.2 Specimen)
CNS 13872 (No.2 Specimen)
CNS 10145
ASTM D638 (Type I, IV Specimen)
ASTM D412 Method A (Die. A, B, C Specimen)
ASTM D882
10 N to 10kN

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

06. 01 Polymer and Composite Materials
Polyvinyl Chloride (PVC) Plastic Pipe
Pipes and Fittings
M002 Tension
CNS 1298
CNS 4053-1
CNS 14345
Dumbbell Specimen
10 N to 10 kN

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

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



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06. 01 Polymer and Composite Materials

Plastics Material and Product

Roofing sheets for Waterproofing

M017 Dimension (Thickness, Width)

CNS 13923 (Method A-2, B)

ASTM D374/D374M (Method C)

DIN 53370

JIS K7130 (Method A, B1)

CNS 10145

Digital Linear Gauge: (0 to 5) mm

Steel tape: (0 to 5) m

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

M020 Heat Distortion

CNS 1302

CNS 1298

CNS 4053-1

CNS 14345

CNS 15605-2

CNS 15609-2

CNS 10145

ASTM D648

ASTM D1204

ASTM D1525

ASTM D2732

Water Bath: (25 to 100) °C

Oil Bath: (70 to 140) °C

Oven: (50 to 145) °C

Vicat: (25 to 150) °C

HDT: (25 to 150) °C

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

06. 01 Polymer and Composite Materials

Polyvinyl Chloride (PVC) Pipes

M017 Dimension

CNS 1298

CNS 1302

CNS 4053-1

CNS 14345

CNS 14589

Micrometer: (0 to 25) mm

Caliper: (0 to 450) mm

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



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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

Flexible Type Plastics Material

Plastic Films and Sheets

Roofing sheets for Waterproofing

M018 Tearing Strength

CNS 13787 (Method A, C)

CNS 10145

ASTM D1004

DIN 53363

10 N to 10 kN

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

06. 01 Polymer and Composite Materials

Unreinforced and Reinforced Plastics

M023 Bend Resistance

ASTM D790

100 N to 10 kN

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

06. 01 Polymer and Composite Materials

Plastics Material

M024 Brittleness Temperature

ASTM D1790

Temperature: (0 to -30) °C

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

M028 Density and Specific Gravity

CNS 1298

CNS 4053-1

CNS 13333 (Method A) (1994)

CNS 13333-1 (Method A)

ASTM D792 (Method A)

JIS K7112 (Method A)

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



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■ 06. 01 Polymer and Composite Materials
Polyvinyl Chloride (PVC) Plastic Pipe
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
Polyvinyl Chloride (PVC) Pipes and Fittings
M201 Flattening Test
CNS 1302
CNS 1298
CNS 4053-1
CNS 14345
CNS 14589
100 N to 10 kN

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

■ 06. 01 Polymer and Composite Materials
Polyvinyl Chloride (PVC) Pipes
Roofing sheets for Waterproofing
M994 Mass per Unit Length
Mass per Unit Area
CNS 1298
CNS 1302
CNS 14345
CNS 4053-1
CNS 10145
Digimatic Caliper: (0 to 450) mm

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
CNS 14589
100 N to 10 kN

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



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06. 02 Polymer and Composite Materials
Vulcanized Rubber and Thermoplastic Elastomers
M002 Tension
ASTM D412 Method A (Die. A, B, C Specimen)
10 N to 10 kN

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

(Null below)