ARP™

Advanced Rubber Products

Div. of TMP Technologies Inc.

Partner

DTR Corporation

Overview of DTR Corporation Product Testing and Manufacturing Capability

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Material Tester & Analyzer

Test standard :
ASTM G 26 or ASTM D2565
Duration of the test : 1,000 hour
Test method : Xenon - Arc

Aging or Accelerated Weather Tester

Channel of the metal element : 16
Measurement type : Argon spectrum.
Luminous frequency : 1 ~ 1,000Hz.
Argon purity : 99.998%

Spectrometer

Material Test Lab

Mechanical Tester

Mechanical Load - Time Tester

Maximum load capability : 30,000kgf
Tensile load test.
Mechanical load - time test.
Failing load test.

Tensile Load Tester

Maximum load capability : 100,000kgf
Tensile load test.
Mechanical load - time test.
Failing load test.

Thermal- Mechanical Tester I

Maximum load capability : 20,000kgf.
Chamber Temp. : -40℃ ~ 150℃.
Chamber size : 1200X1600X3585.
Tensile load test.
Mechanical load - time test.
Thermal - mechanical test.

Thermal - Mechanical Tester II

Maximum load capability : 30,000kgf.
Chamber Temp. : -40 ℃ ~ 150℃.
Chamber size : 1800X1100X1800.
Tensile load test.
Mechanical load - time test.
Thermal - mechanical test.

Electrical Tester

Power-Frequency Voltage Tester I

Maximum output voltage : 250kV.
Transformer capability : 62.5kVA.
Limit current : 250mA

Power-Frequency Voltage Tester II

Maximum output voltage : 100kV.
Transformer capability : 25kVA.
Limit current : 250mA.

Partial Discharge Tester

Maximum output voltage : 75kV.
Transformer capability : 75kVA.
Limit current : 100mA.
Measurement range : 0 ~ 50pC

Leakage Current Test System

Maximum output voltage : 22kV.
Transformer capability : 2.2kVA.
Limit current : 100mA.
Measurement range : 10mA(Ir)
Can be measured the resistive current.
Can be measured the power loss.

Electrical Aging Tester

Accelerated Aging Tester

Test standard : IEC 60099-4
Duration of the test : 1,000 hour
Chamber Temp. : 150℃
Maximum output voltage : 22kV.
Transformer capability : 2.2kVA.
Limit current : 100mA.

Salt Fog Tester

Test standard : IEC 61109
Duration of the test : 1,000 hour
Water flow rate : (0.4±0.1) ℓ /(㎥X h)
Size of droplets : 5㎛- to 10㎛
Temperature : 20℃ ±5K
NaCl content of water : (10±0.5)kg/㎥

Tracking and Erosion Tester

Tracking and Erosion Tester I

Test standard : CEA LWPVG - 01.
Duration of the test : 1,000 hour
NaCl content of water : (0.22 ± 0.01)g / ℓ
Maximum output voltage : 50kV.
Transformer capability : 20kVA.
Limit current : 400mA.

Tracking and Erosion Tester II

Test standard : IEEE std C62.11
Duration of the test : 1,000 hour
Wetting agent : NaCl water of 400~500Ω cm
Maximum output voltage : 80kV.
Transformer capability : 20kVA.
Limit current : 250mA.

Electrical Impulse Tester

Impulse Current Generator(ICG)

Output impulse Current : Max 20kA
Impulse wave shape : 8X20㎲

Impulse Voltage Generator(ICG)

Output impulse voltage : Max 800kV
Impulse wave shape : 1.2X50㎲
Impulse energy : 3.4kJ

Structure Tester

Water Diffusion Tester

Chamber size : 1,100X600X400
Chamber Temp. : 100℃

Bending Tester

Maximum bending load : Max 1,000kgf

Auto Assembly Machine

Manufacturing Process Name :
Sealing and Testing

Equipment Specification :
Grind, Sealant dispenser, part feeder

Equipment Specification :
20ton Load Cell Qty(2)

Sand Blast Machine

Manufacturing Process Name :
Sanding & Cleaning

Equipment Specification :
Auto conveyer type

Binder Coating Machine / Dry Oven

Manufacturing Process Name :
Binder Coating and Drying

Equipment Specification :
1,700RPM

Equipment Specification :
Heater 4.5kW Qty(5), 9kW Qty(2)

Injection Molding Machine

Manufacturing Process Name : Injection

Equipment Specification :
600ton 7,000cc Qty(1)

Equipment Specification :
600ton 11,000cc Qty(4)

Auto Ultrasonic Cleaning Machine

Manufacturing Process Name :
Cleaning for end fitting

Equipment Specification :
Four(4) dipping chamber
Two(2) ultrasonic 1200W

Swaging Machine

Manufacturing Process Name : Swaging

Equipment Specification : 3,200kN Qty(3)

Equipment Specification : 5,000kN Qty(1)

Wrapping Machine

Manufacturing Process Name :
Packing

Equipment Specification :
9RPM