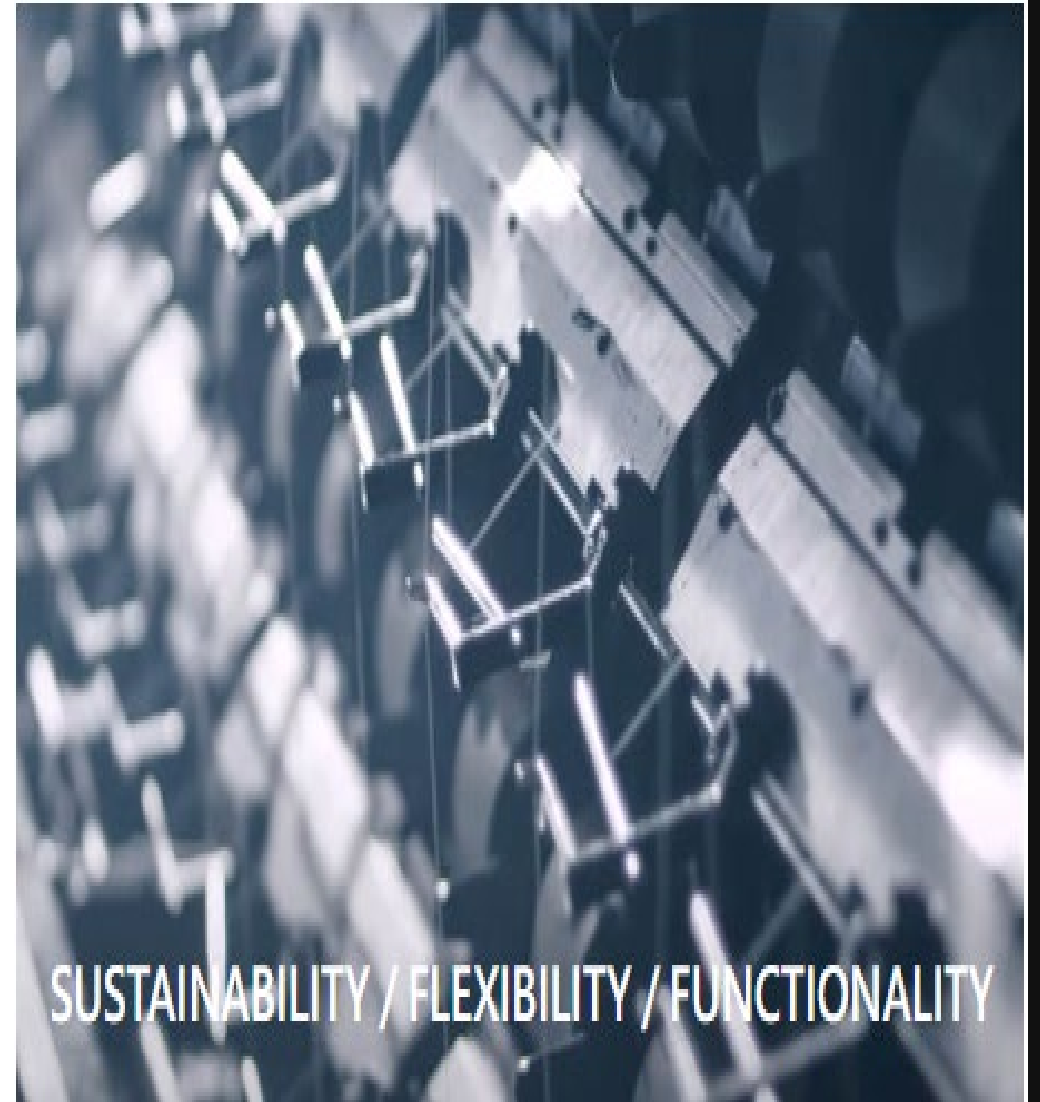


Acelon Chemicals & Fiber Corporation.



About Acelon

Who are we?

Innovation and
Advanced Materials
R&D Center

Value

Product

Innovation and Advanced
Materials

Application

Discover the future

Vision

Collaboration



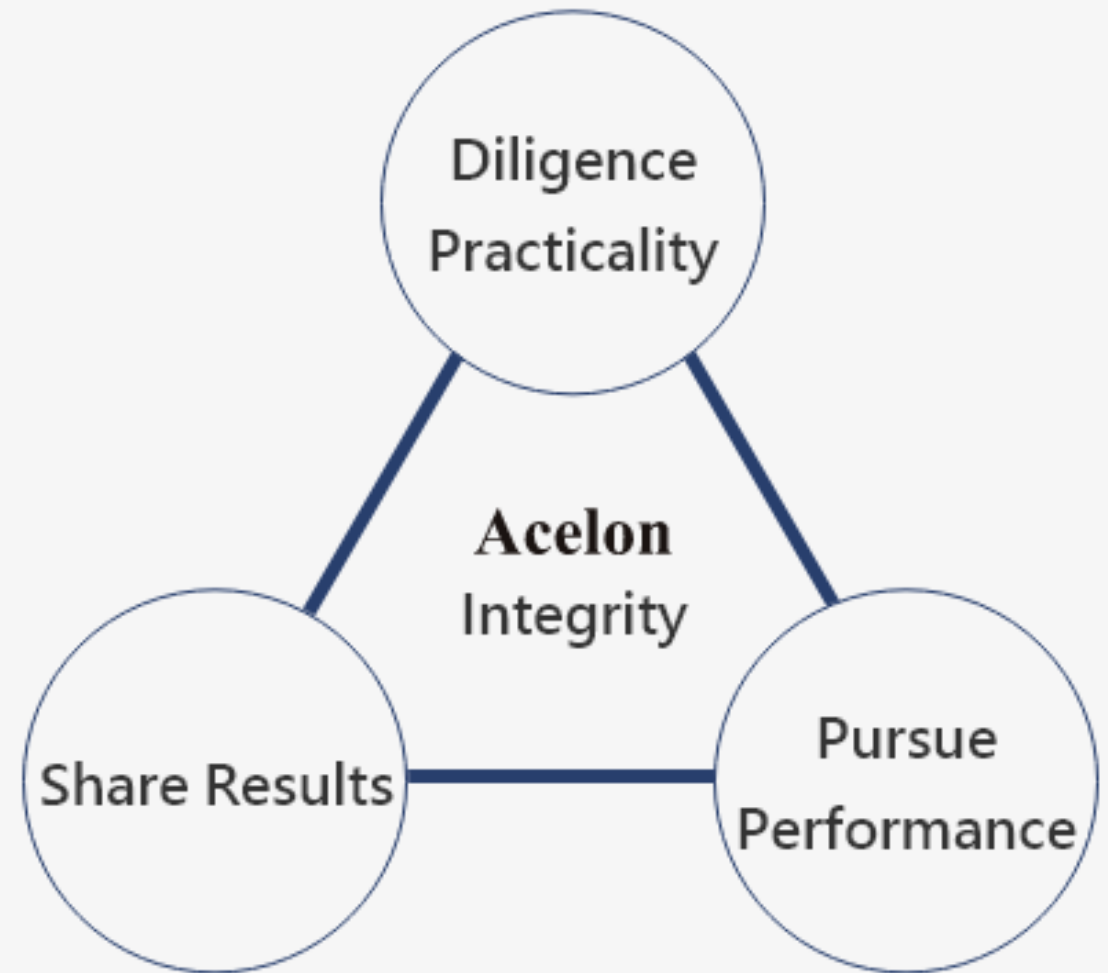
About Acelon

Innovation and Advanced Materials
R&D Center

Product

Applications

Vision



Innovation and R&D. Honesty and practicality.
People-oriented. Dedication to the society.

HISTORY

Timeline



1988

**Founded
in Puyan**



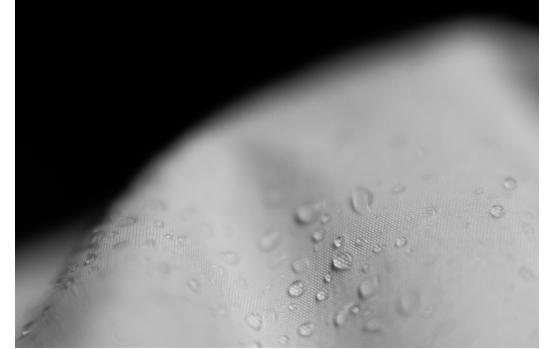
1990

**Produced
nylon trilobal yarn**



1996

**First one got ISO 9001
in Taiwan's textile fiber
manufacturers.**



2000

**Established
Functional New Yarn
Division**

HISTORY

Timeline



2004

**Acquired
OEKO-TEX certification.**



2009

**Set up
Douliu plant.**



2011

**Founded subsidiary:
Acegreen
company**



2013

**Founded subsidiary:
Acenature
company**

HISTORY

Timeline



2015

**Got certified:
carbon footprint.**



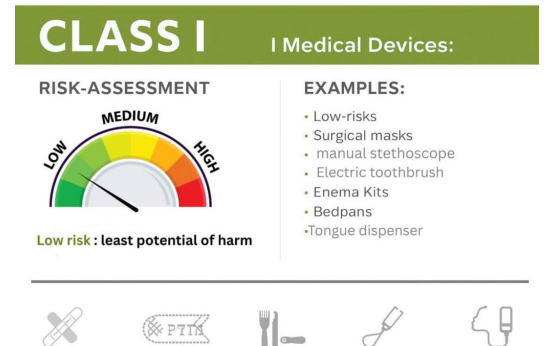
2016

**Acquired
Global Recycled Standard
(GRS) in textile system.**



2018

**Acenature company got:
Taiwan Excellence Award.**



2020

**Acegreen company got:
"Class 1 Medical Materials
and Devices Certification"
issued by the Ministry of
Health and Welfare.**

About

Innovation and Advanced Materials
R&D Center

Product

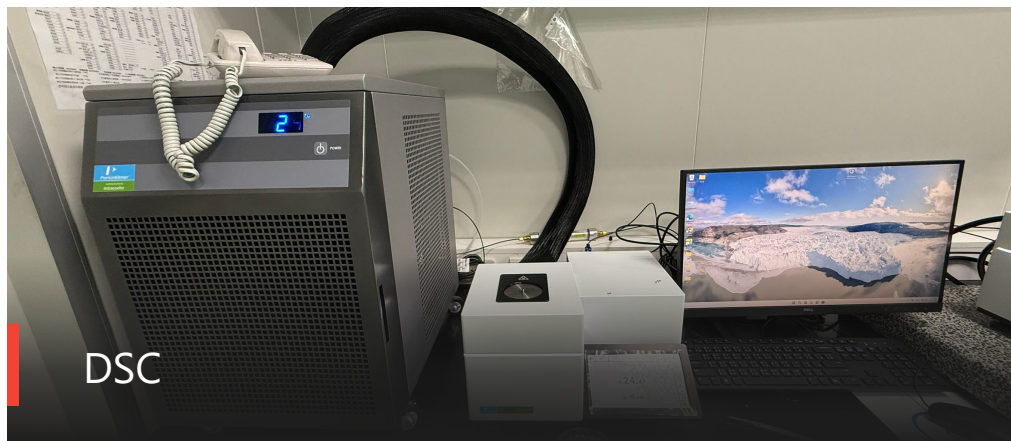
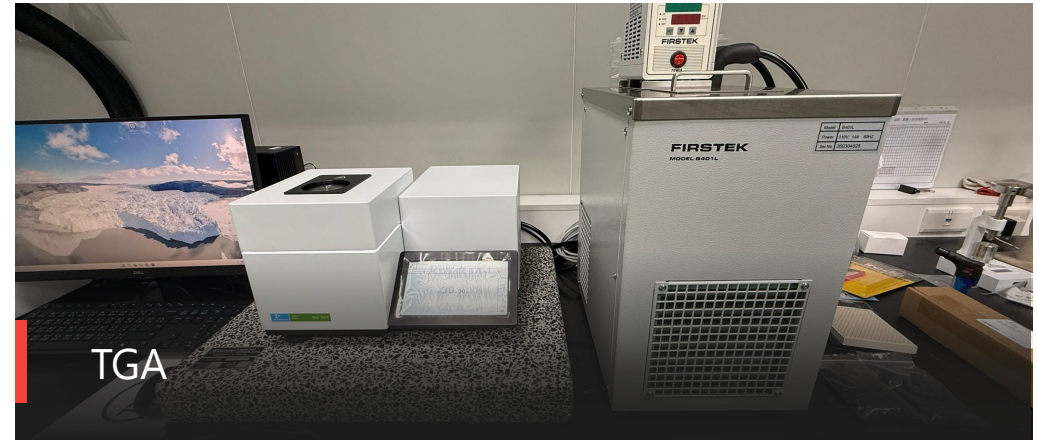
Applications

Vision



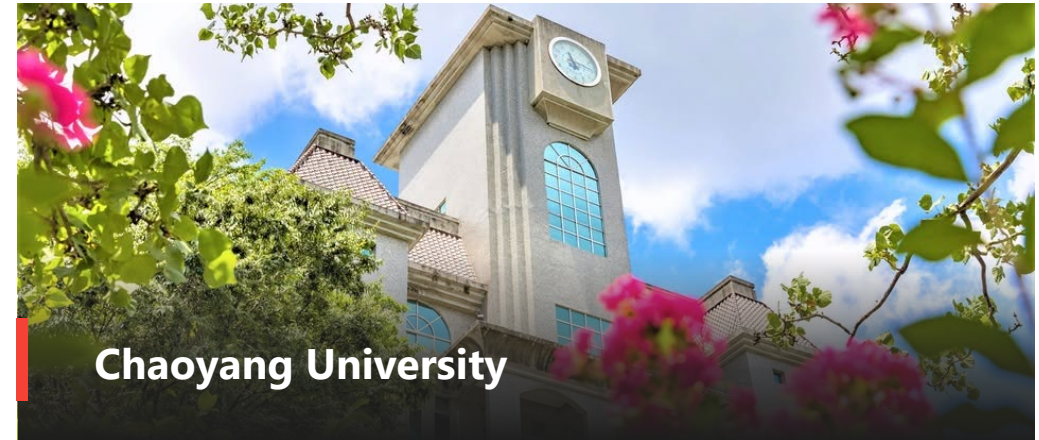
Analyze

Valuable Instruments



R&D

Partners



About

Innovation and Advanced Materials
R&D Center

Product

Applications

Vision



Product

Composite Materials



Nylon6
Flame retardant

PA6-FR(GF30)



Nylon6
Thermal Conductivity
(0.5W/m-K)

PA6-Thermal



Nylon6
Thermal Conductivity
(1.0W/m-K)

PA6-Thermal

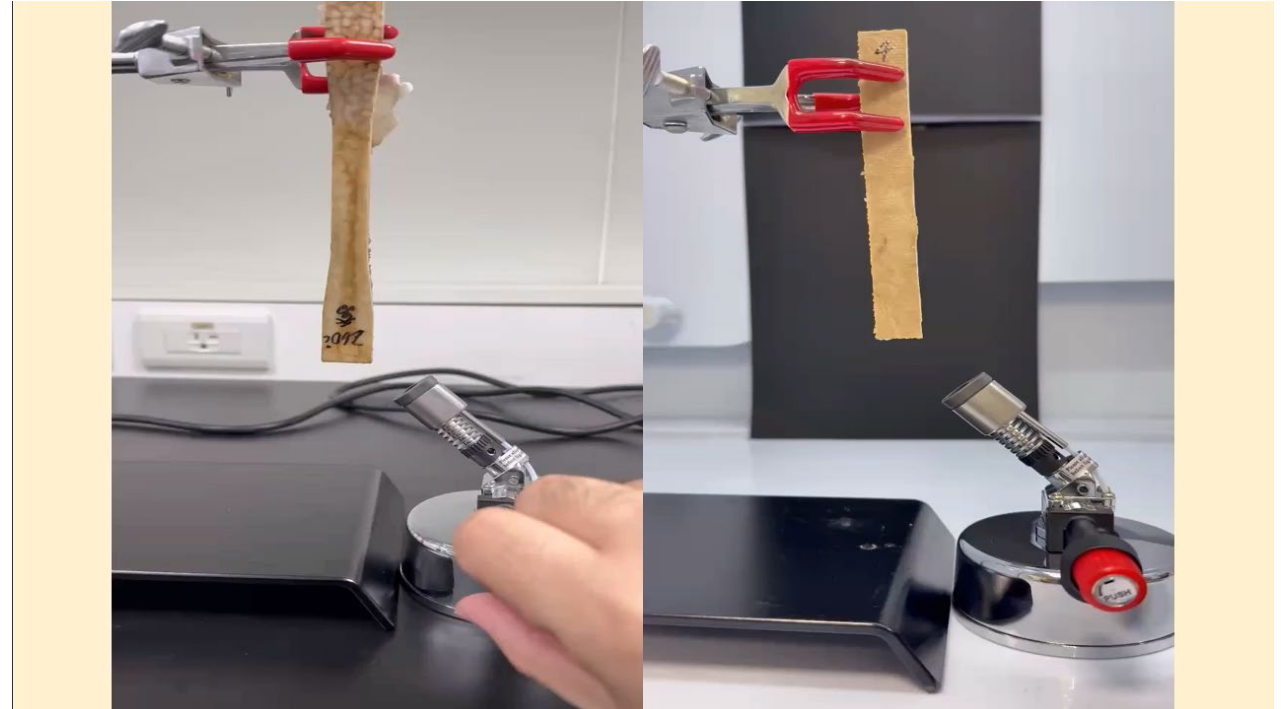


PP
Flame Retardant

PP-FR

Nylon6 Flame retardant

PA6-FR(GF30)





Nylon6

Thermal Conductivity (0.5W/m-K)

PA6-Thermal

Thermal Conductivity : 0.5W/m-K



Low Shrinkage : 0.6%



UL94 5VA-1.0mm



Halogen-free





Nylon6

Thermal Conductivity (1.0W/m-K)

PA6-Thermal

Thermal Conductivity: 1.0W/m-K



Low Shrinkage : 0.6%



UL94 5VA-1.0mm

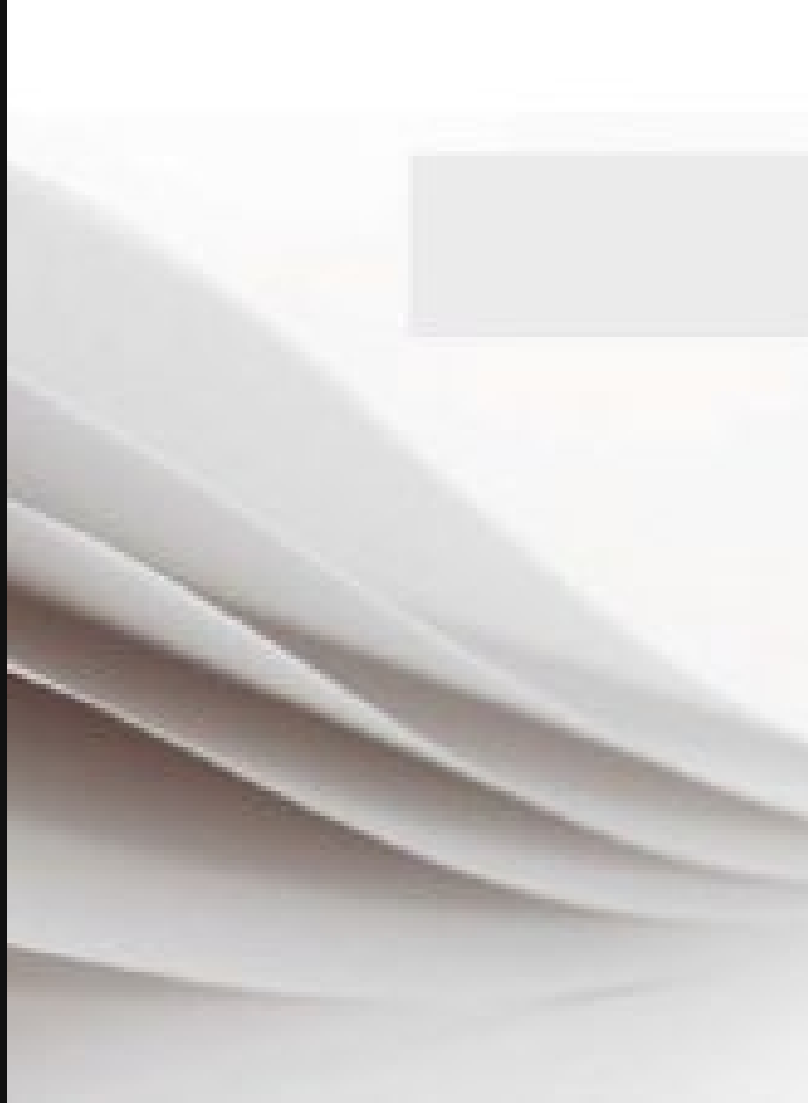


Halogen-free



PP(prototype) Flame Retardant

PP-FR



About

Innovation and Advanced Materials
R&D Center

Product

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AI Server

- Thermal Management
- Flame Retardancy
- High CTI Insulation
- Low Warpage
- Structural Integrity
- Thin-Wall Design



Robots

- Lightweight Structure
- High Rigidity
- Impact Toughness
- Wear Resistance
- Metal Replacement



Unmanned Vehicles

- Lightweight Engineering
- Flameproof Protection
- Thermal Control

AI Server

Thermal Mastery

5VA Safety, Superior Heat Dissipation.

◆Busbar Insulators :

1.0mm **UL94 5VA** ultimate fire.

◆Heat Sink Frames :

High-performance **1.0 W/m-K thermal**.

◆GPU Structural Components :

30% glass-fiber **Low Shrinkage:0.6%** .





Robots

Agile Strength

Cooling Agility, Flame Retardant Safety.

◆ **Motor Sleeves:**

1.0 W/m-K Thermally Conductive Sleeves Reduce Joint Overheating.

◆ **Battery Spacers:**

1.0mm UL94 5VA containment high risk.

◆ **Joint Housings:**

High tensile strength ensures mechanical frame rigidity.



Unmanned Vehicles

Aero Endurance

Lightweight Thermal Control, Absolute Reliability

- ◆ **ESC Mounts:**
1.0 W/m-K Thermally Conductive Structures Reduce System Weight .
- ◆ **Propeller Hubs:**
30% glass fiber stands extreme rotational torque.
- ◆ **Sensor Covers:**
Low shrinkage :0.6% protects delicate avionics and LiDAR.

About Acelon

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Our Vision

1. Specification Assessment:

Our R&D team will conduct free optimization and substitution assessments of your existing materials.

2. Sample Testing:

Immediately apply for small-scale Proof-of-Concept (PoC) samples to verify performance on your production line.

3. Project Coordination:

Arrange a video conference (R&D-to-R&D) between the technical teams of both parties to discuss customer made requirements in depth.



→ Customer-made Material Development

One-on-one fully customized solutions help you break through the limitations of major manufacturers' specifications and perfectly adapt to your product design.

→ Shorten Time-to-Market

By way of high flexibility of innovation, we provide rapid prototyping and agile debugging, significantly shortening the development cycle.

→ Innovation Partnership

We are not just a supplier, but a long-term technology partner willing to invest in R&D with you, share risks, and share patents.

→ Sustainable Supply Chain

Providing low-carbon and recyclable material solutions that support ESG initiatives and future carbon reduction goals.



Thank You for Your Attention.

Let's shape the sustainable future together.