

# Industrial - scale Production of High-Performance Bio -based spandex

Simon Zhang  
2025-10-25



OMINA<sup>®</sup> Sustainable solution for a better world

## VISION

---



What if the clothes we wear  
could **heal** our planet instead  
of **harm** it?

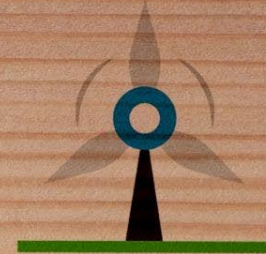


Reliance  
on Fossil Fuels

Biodegradability

Environmental Impact

Carbon Emission



**Bio-spandex To a Sustainable World**

# Biobased Spandex Map

LYCRA.

**Lycra**

Polyether polyol  
Biomass 28 %  
~70 ktons /y



**Creora**

Polyether polyol  
Biomass 30%  
~70 ktons /y

**OMINA<sup>®</sup>**

**Omina**

Polyester polyol  
Biomass > 63%  
~50 ktons /y



# Nature of OMINA<sup>®</sup> Spandex



Corncob



Caster Oil

# Application of OMINA<sup>®</sup>

## Freedom in Every Move



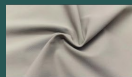
WRINKLE-RESISTANT



ELASTIC



XOPT-DRY



30D Mini-check Four-way  
Stretch Fabric  
SU0624050003W



30D Twill Jacquard Four-way  
Stretch Fabric  
SU0624050001W



Houndstooth-style Four-way  
Stretch Fabric  
SU0624050002W

Eco-friendly / Sports / Outdoor / All-season



## Down jacket Soft & Delicate, Lightweight & Warm



SOFT



SOFT



ANTI DRIBBLING



20D Printed Taslan Fabric  
SU020202006W



20D430T Taslan Fabric  
SU0202020001W

Eco-friendly / Sports / Outdoor / All-season



# Performance



Bio-based Carbon  
Content (USDA)  
63~75 %



Carbon Emission  
Reduce  
50%



Bio-Degradation  
15% after 45  
days



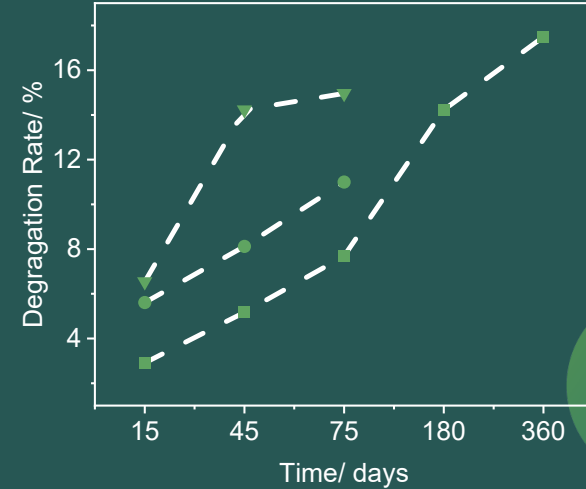
Oeko-tex Standard 100



Temperature @heat - set  
170 %



Chlorine Resistant  
>85 %



# OMINA<sup>®</sup> Vision



# Future of OMINA<sup>®</sup> Spandex





**0086-13505133186**



**13505133186@126.com**