

SHIRLEY TECHNOLOGIES LIMITED
UNIT 11, WESTPOINT ENTERPRISE PARK
CLARENCE AVENUE
M17 1QS MANCHESTER, UNITED KINGDOM

OEKO-TEX®
CONFIDENCE IN TEXTILES

CERTIFICATE

The company

Changshu Baofeng Special Fiber Co. Ltd.
No.22 LianFeng Road, ChangShu City
215500 Jiangsu Province, CHINA

is granted authorisation according to STANDARD 100 by OEKO-TEX® to use
the STANDARD 100 by OEKO-TEX® mark, based on our test report **51686**

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
11-24265 Shirley

Tested for harmful substances
www.oeko-tex.com/standard100



for the following articles:

Yarns made of Meta-aramid/Lenzing FR/anti-static (raw and dyed), meta/para-aramid (raw and dyed), meta/para-aramid/anti-static (raw and dyed), 100% para-aramid yarn in natural yellow and 100% meta-aramid sewing thread (raw and dyed). Partially based on pre-certified materials according to STANDARD 100 by OEKO-TEX®.

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Appendix 4, **product class II** have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Appendix 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use the STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

The certificate 11-24265 is valid until 26.03.2020

Manchester, 15.04.2019

Mr Phil Whitaker
Technical Manager

Mrs Julie Dalton
Senior Technical Administrator

CERTIFICATE OF COMPLIANCE

Certificate Number 20190430-MH60167
Report Reference MH60167-20140530
Issue Date 2019-April-30

Issued to: CHANGSHU BAOFENG SPECIAL FIBER CO LTD
East Tiantai Bridge
Zhenmen Meli town
Changshu, Jiangsu 215500 CHINA

This is to certify that
representative samples of Component-Thread
BF M100 100% Meta-Aramid Thread
BF PPTA 100% Para-aramid Thread

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

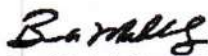
Standard(s) for Safety: SEE ADDENDUM PAGE FOR Standard(s)
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog
number, model number or other product designation as specified under "Marking" for the particular
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:
, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190430-MH60167
Report Reference MH60167-20140530
Issue Date 2019-April-30

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard	Title	Edition
ASTM F1506	Standard Performance Specification for Flame Resistant and Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs	2018
NFPA 1951	Standard on Protective Ensembles for Technical Rescue Incidents	2013
NFPA 1971	Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	2018
NFPA 1975	Standard on Emergency Services Work Apparel	2019
NFPA 2112	Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2018



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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Technical data of Para-Aramid 30/3

English Count(s)	30s/3
Weight variation in 100 meters(%)	-1.01
Unevenness in 100 meters(%)	1.45
Twist (truns/10cm)	58
Twist variation(%)	4.52
Breaking Force(CN)	3827
Breaking Strength(CN/tex)	65.5
Breaking Tenacity's coefficient of variation (%)	4.5
elongation at break (%)	6.1
Flammability	PASS

2019/4/23