

VERSION [0.0]  
MAY 29, 2017



## COMPANY PROFILE

### FILATECH

SHORES 3D PRINTING INDUSTRIES FZC

PRESENTED BY: SHORES 3D PRINTING INDUSTRIES FZC  
WAREHOUSE 23, SHED 30, TECHNOLOGY PARK, RAK, UAE

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## ABOUT US

### WHO WE ARE

We as Shores 3D Printing Industries FZC are a manufacturing facility registered and located in Technology Park of RAK in UAE. Utilizing expert and experienced manpower in plastic compounding, and the most up to date manufacturing technology we are developing and manufacturing normal and special grades of plastic filaments for 3D printing.

### WHAT DO WE DO?

We produce the highest quality 3D filaments - the consumable raw material for use in 3D printing industries specifically for 3D printers which are using FDM technology (Fused Deposition Modeling).

### WHAT IS THE POINT OF WHAT WE DO? WHY ARE WE SPECIAL?

We are experts in plastics and have been servicing the plastics industry since 2005. We have key experience in manufacturing of master batch and engineering plastics compounds, and we have thus developed a depth of knowledge and expertise within our industry that constantly surpasses our competition, and more importantly - our customer's expectations.

### WHAT IS BEING ACHIEVED? WHAT ARE WE CELEBRATING?

We are recognized as a global presence and a new supply hub from the GCC that seamlessly delivers high quality products. We constantly innovate to improve products and stay abreast of emerging 3D print technologies - and so our customers trust us to deliver the very best solutions for the best price. Underpinning our products is a support service that is approachable, knowledgeable, transparent and honest.

### WHAT ARE OUR HIGHEST CORE VALUES?

We started FilaTech because we are ourselves end-users. We are 3D printing enthusiasts and hobbyists. FilaTech was created for very selfish reasons. Honestly? We were fed up with purchasing 2nd rate products, from overseas exporters that were not fit for purpose and had no customer service or money back options.

As experts and knowledge leaders in plastics, it became increasingly apparent that to get the superb quality for the optimal price we needed to pursue our own passion for 3D print, we had no choice but to start developing the very best printing filament ourselves. We share our innovative products with fellow suppliers and enthusiasts, so they do not have to go through the same experience as ours.

### IF OUR ORGANISATION DID NOT EXIST, WHAT WOULD THE WORLD MISS?

We are a trusted, expert supplier who exercises due diligence and integrity in understanding our customers' exact needs and provides them the very best quality solutions and ongoing support. We are a company of passionate motivated staff who are ourselves end-users and so have complete empathy for customer needs. Because we are professionals in the plastics industry, we possess complete clarity and ability in solving customer problems and needs.

**WHAT DO WE WANT TO ACHIEVE WITH THE BUSINESS?**

We want to achieve recognition as a market leader thru innovative and reliable products, expertise and technologies that enhances peoples lives and creates beauty.

**TO WHAT NEEDS DO WE RESPOND?**

We are customer driven. We develop superior products and technologies because our customers and the industry as a whole demands and deserves the best.

**WHAT ARE OUR UNWAVERING BELIEFS?**

We communicate openly and actively, encouraging dialogue, conversations and through constant learning we embrace change and because of this; we drive change.

**IN THE END, FOR WHAT WILL WE BE REMEMBERED?**

We aspire to excellence in all areas and we are only successful because of our people and culture. We will be remembered as a progressive, innovative, honest and approachable brand.

**WHAT IS INSPIRING ABOUT US?**

Through our deep understanding, experience and passion for excellence in plastics - we embrace and drive change to enhance the world and peoples lives.

**INFORMATION SUMMARY****1. OUR COMPANY'S VALUES**

Integrity. Collaboration. Innovation. Knowledge.

**2. WHAT THE BUSINESS DOES**

Provide expertise and technologies that enhances peoples lives and creates beauty.

**3. HOW WE ACCOMPLISHES IT.**

Through constant learning we embrace change and because of this; we drive change.

**4. OUR INTENTION FOR CLIENTS**

We are customer driven. We develop superior products and technologies because our customers deserve the best.

**5. OUR IDEAL CLIENT**

Medium and large trusted retailers. Enthusiastic early adopters

## OUR VISION &amp; MISSION

## OUR VISION STATEMENT:

***“We will deliver innovative products and services that make our world a better place. We will achieve this through continuing adherence to our 4 key brand values:***

***INNOVATION.*** We nurture creative and technical thinking that adds value to our community. ***KNOWLEDGE.*** We encourage continuous development of our skills and expertise to better serve our customers.

***INTEGRITY.*** We are open, honest and responsible for following through on our commitments. ***COLLABORATION.***

*We actively seek to partner with customers, employees, fellow enthusiasts, and suppliers and share opportunity.”*

## OUR MISSION STATEMENT:

***“With integrity, innovation and knowledge, we provide superior expertise and technologies to drive the 3D printing industry, this enhances people's lives and creates beauty.”***

## FACTORY

We have a fully integrated and automated PLC controlled production line including below main parts. The production capacity is over 20,000 KGPM.

### RAW MATERIAL HANDLING:

Raw Material Storage Area  
Weighing Area  
Drying & Dehumidification  
Pneumatic Conveying System

### MIXING:

High Speed Mixing

### EXTRUDING:

Dryer / Preheater  
Single Screw Extruder

### WATER HEAT TREATMENT

Temperature Controlled Hot Water Bed  
Cooling Water Bed  
Water Chiller

### FILAMENT SIZE/TOLERANCE GAUGE

Laser Gauge Machine

### FILAMENT SIZE/TOLERANCE CONTROL

PLC Controlled Hull-off Machine  
Tension Controlled Buffer

### SPOOL CONVEYING

Lost-in-Weight Spool Delivering System



## WINDING

Double Spool PLC Controlled Winding Machine

Sample Making Winder Machine

## QUALITY CONTROL

Tolerance Control

Roundness Control

Color Consistency Control

Printing Quality Control

## PACKAGING

Label Making

Packaging Tables

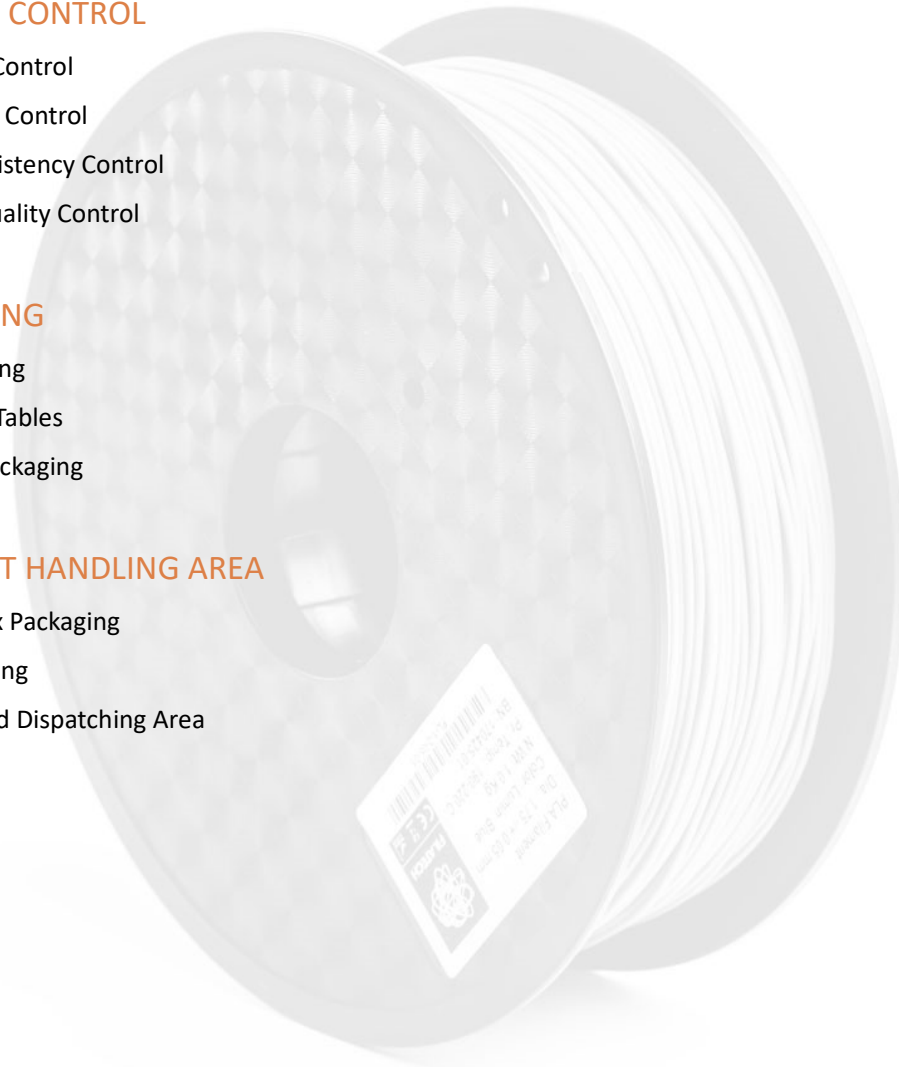
Vacuum Packaging

## PRODUCT HANDLING AREA

Master Box Packaging

Pallet Making

Storage and Dispatching Area



## PRODUCTS & SERVICES

### PRODUCT RANGE:

At FILATECH We have delivered a wide range of premium quality 3D printing filaments which is nothing short of perfection.

Utilizing the most advanced filament manufacturing technology out of prime high quality virgin raw material, our engineers have developed a full range of regular and specialty filaments to cover all your requirements whether you are a hobbyist, a modeler, a prototyper or a manufacturer.

We know that "the filament is the key element to precision output". Using high quality, consistent diameter tolerance and consistent color filament help enhancing the printing resolution and quality and reduce most of the issues with printing process such as nozzle clogging or running material etc.

Complying with international standards, our filaments are free from harmful or hazardous materials.

### A. NORMAL FILAMENTS

#### 1. PLA - POLYLACTIC ACID

##### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

##### SPECIFICATIONS:

Filament Material:	PLA	
Specific Gravity:	1.25	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	190 – 220 oC
	Bed:	40 – 60 oC (Only for big parts)
Working Temperature:	Starts losing mechanical strength at 60 oC	



## 2. ABS - ACRYLONITRILE BUTADIENE STYRENE

### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

### SPECIFICATIONS:

Filament Material:	ABS	
Specific Gravity:	1.05	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	220 – 260 °C
	Bed:	80 – 100 °C
Working Temperature:	Withstands up to 80 °C	

## 3. PETG - POLYETHYLENE TEREPHTALATE GLYCOL-MODIFIED

### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

### SPECIFICATIONS:

Filament Material:	PETG	
Specific Gravity:	1.27	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	220 – 240 °C
	Bed:	50 – 90 °C
Working Temperature:	Withstands up to 80 °C	

## B. SPECIALITY FILAMENTS

### 1. HIPS – HIGH IMPACT POLYSTYRENE

#### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

#### SPECIFICATIONS:

Filament Material:	HIPS	
Specific Gravity:	1.07	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	220 – 230 °C
	Bed:	60 – 100 °C
Working Temperature:	Withstands up to 80 °C	

### 2. PC – POLYCARBONATE

#### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

#### SPECIFICATIONS:

Filament Material:	PC	
Specific Gravity:	1.20	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	270 – 310 °C
	Bed:	90 – 120 °C
Working Temperature:	Withstands up to 90 °C	

### 3. PA – POLYAMIDE (NYLONE)

#### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

#### SPECIFICATIONS:

Filament Material:	PA	
Specific Gravity:	1.1	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	235 – 270 °C
	Bed:	60 – 80 °C
Working Temperature:	Withstands up to 80 °C	

### 4. TPE – THERMOPLASTIC ELASTOMER

#### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

#### SPECIFICATIONS:

Filament Material:	TPE	
Specific Gravity:	1.2	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	210 – 255 °C
	Bed:	20 – 55 °C
Working Temperature:	Withstands up to 100 °C	

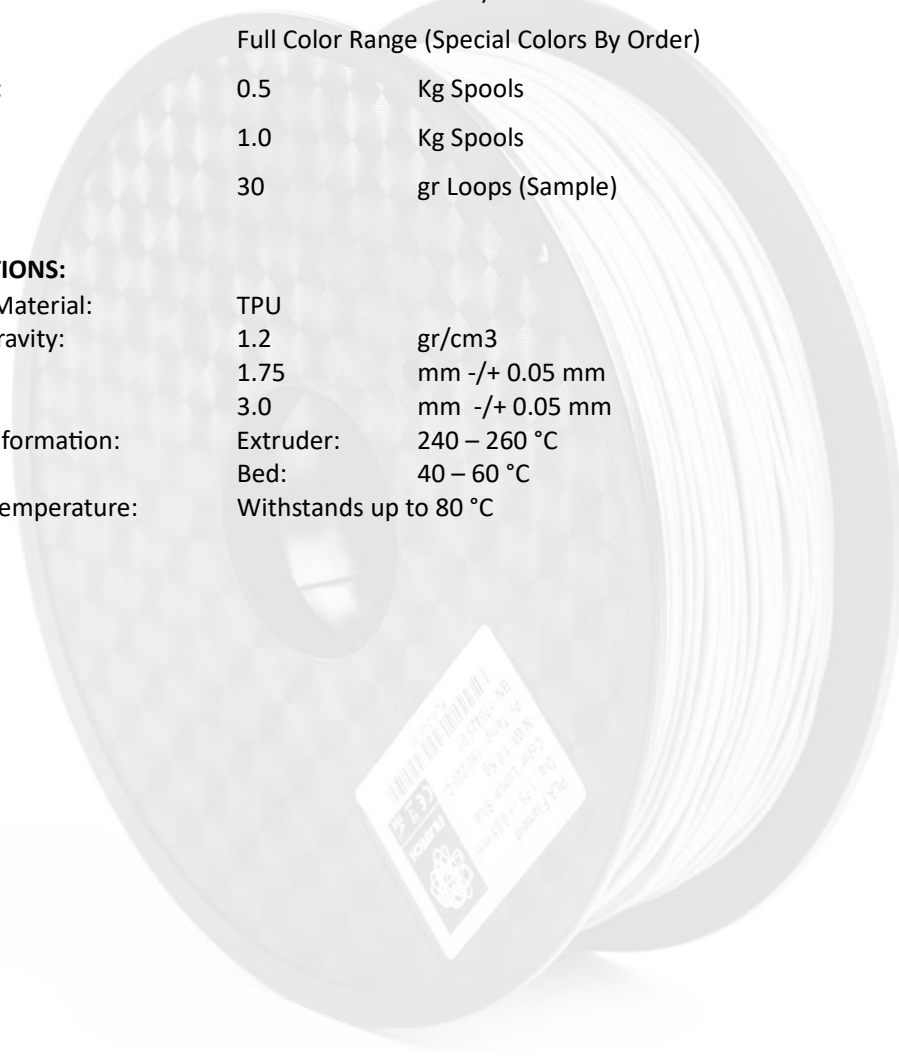
## 5. TPU – THERMOPLASTIC POLYURETHANE

### OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	gr Loops (Sample)

### SPECIFICATIONS:

Filament Material:	TPU	
Specific Gravity:	1.2	gr/cm <sup>3</sup>
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder:	240 – 260 °C
	Bed:	40 – 60 °C
Working Temperature:	Withstands up to 80 °C	

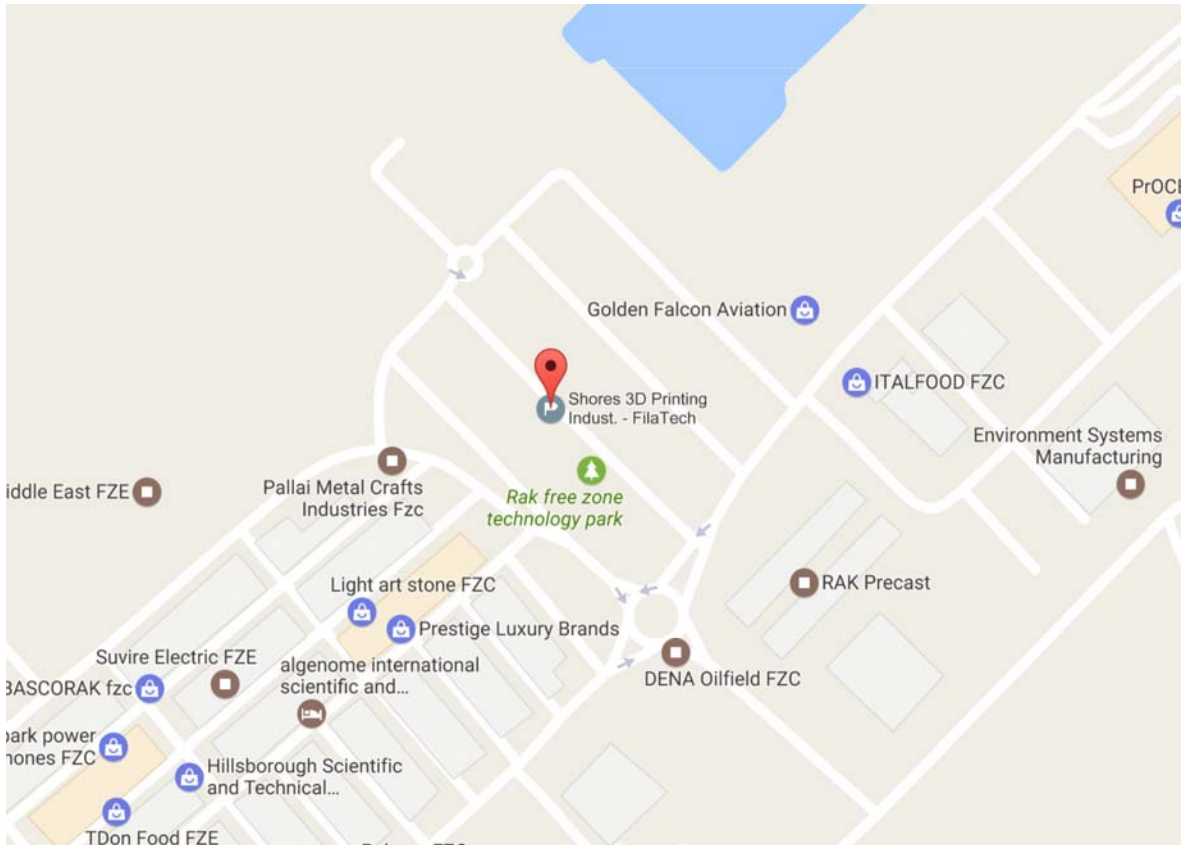


## CONTACT US

**LOCATION:**

Warehouse No. 23, Shed No. 30, Technology Park, Al Hamra Island, RAK, UAE.

Longitude: 25.686512, Latitude: 55.800308

**CONTACTS:**

TEL: +971 (07) 243 91 66

FAX: +971 (07) 243 92 66

MAIL: [info@fila-tech.com](mailto:info@fila-tech.com), [sales@fila-tech.com](mailto:sales@fila-tech.com)

WEB : [www.fila-tech.com](http://www.fila-tech.com)

# CERTIFICATES

## CE CERTIFICATE:



### Certificate of Compliance

# CE

We hereby declare that the technical file of product complied with the requirement of directives 2014/35/EU Low Voltage Directive.

**Certificate No.: CE-2924**

**Manufacturer**

**Name** : SHORES 3D PRINTING INDUSTRIES FZC

**Address** : Warehouse No. 23, Shed No. 30, Technology Park, Rak FTZ, Ras AL Khaimah, United Arab Emirates

**Product** : 3D Printing Filaments

**Models** : PC, PLA, ABS, PETG, HIPS, PA, TPE, TPU

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Directives 2014/35/EU Low Voltage Directive.

**This certificate is issued under the following conditions:**

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.

The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at [www.ukcertifications.co.uk/verify](http://www.ukcertifications.co.uk/verify)

<b>Date of Certification</b>	16 <sup>th</sup> June 2017
<b>1<sup>st</sup> Surveillance Audit Due</b>	15 <sup>th</sup> June 2018
<b>2<sup>nd</sup> Surveillance Audit Due</b>	15 <sup>th</sup> June 2019
<b>Certificate Expiry</b> (subject to the company maintaining its system to the required standard)	15 <sup>th</sup> June 2020

*Daniel..*  
 Authorised Signatory





ROHS CERTIFICATE:



## Certificate of Compliance

RoHS Directive (2011/65/EU) of the European Parliament and of the Council on the restriction of use of certain Hazardous Substances in Electrical and Electronic Equipments.

**Certificate No. : UQ-5724**

**Manufacturer**  
 Name : SHORES 3D PRINTING INDUSTRIES FZC  
 Address : Warehouse No. 23, Shed No. 30, Technology Park,  
 Rak FTZ, Ras AL Khaimah, United Arab Emirates

**Product** : 3D Printing Filaments

**Models** : PC, PLA, ABS, PETG, HIPS, PA, TPE, TPU

This is to state that the above mentioned product is in compliance with RoHS Directive (2002/95/EC) of the European Parliament and Commission Decision 2005/618/EC on the restriction of use of certain Hazardous Substances [Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6+), Polybrominated biphenyls (PBBs) and Polybrominated Diphenyl ethers (PBDEs)] in Electrical and Electronic Equipments.

**Statement:**  
 This certificate declares that the product type / model described above complies with the mentioned above European Standard(s).


**Remarks:**  
 This certificate of complies is based on the evaluation of a sample of the above mentioned products. It does not imply an assessment of the mass-production of the product. This certificate holder may use this certificate in connection with the test report. The certification body should be informed (revision of technical file) for any modification or alterations made to the aforementioned product type(s), including design and manufacture and/or extension to the existing scope of application.

The certificate is valid for three years if the company applies the technical construction file which has been stored in UKCert office. This certificate includes declaration of manufacturer. Certificate remains property of UKCert (UK Certification and Inspection Ltd.) to whom it must be returned upon request. The certificate validity is conditioned by positive results or surveillance audits.

Validity of this certificate can be verified at [www.ukcertifications.co.uk/verify](http://www.ukcertifications.co.uk/verify)

Date this Certificate	16 <sup>th</sup> June 2017
1 <sup>st</sup> Surveillance Audit Due	15 <sup>th</sup> June 2018
2 <sup>nd</sup> Surveillance Audit Due	15 <sup>th</sup> June 2019
Certificate Expiry (subject to the company maintaining its system to the required standard)	15 <sup>th</sup> June 2020

*Daniel ..*  
 Authorised Signatory

ISO CERTIFICATE:

