eSUN

3D printing materials

ePLA-Matte

Matte surface Low density Easily peel off

MATTE SURFACE

Delicate without layer lines;Good printing effect

LOW DENSITY

21% more single-roll consumables print models

21%↑

other matte PLA

one roll can print 56

The same model, using eSUN matte PLA

one roll can print 71

EASILY PEEL OFF

Smooth contact surface;Support easy to peel off

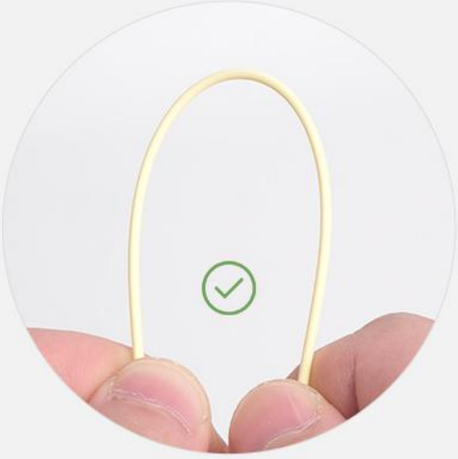
BETTER APPEARANCE
THE WIRE DIAMETER IS MORE STABLE

More neat row of line; No more winding knot trouble

VS

PLA TOUGHENED AND HARD TO BREAK
TOUGHNESS
IS HIGHER THAN ORDINARY PLA

PLA



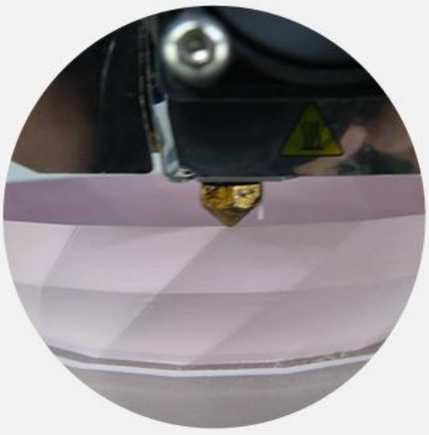
ePLA-Matte

GOOD PRINTING EXPERIENCE

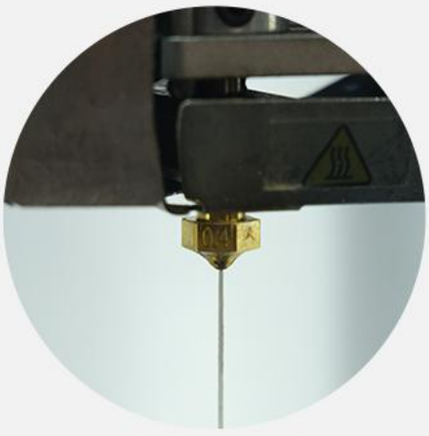
Keep all the advantages of regular PLA

Low shrinkage

No cracking



No warping



No plugging

HIGH-SPEED PRINTING

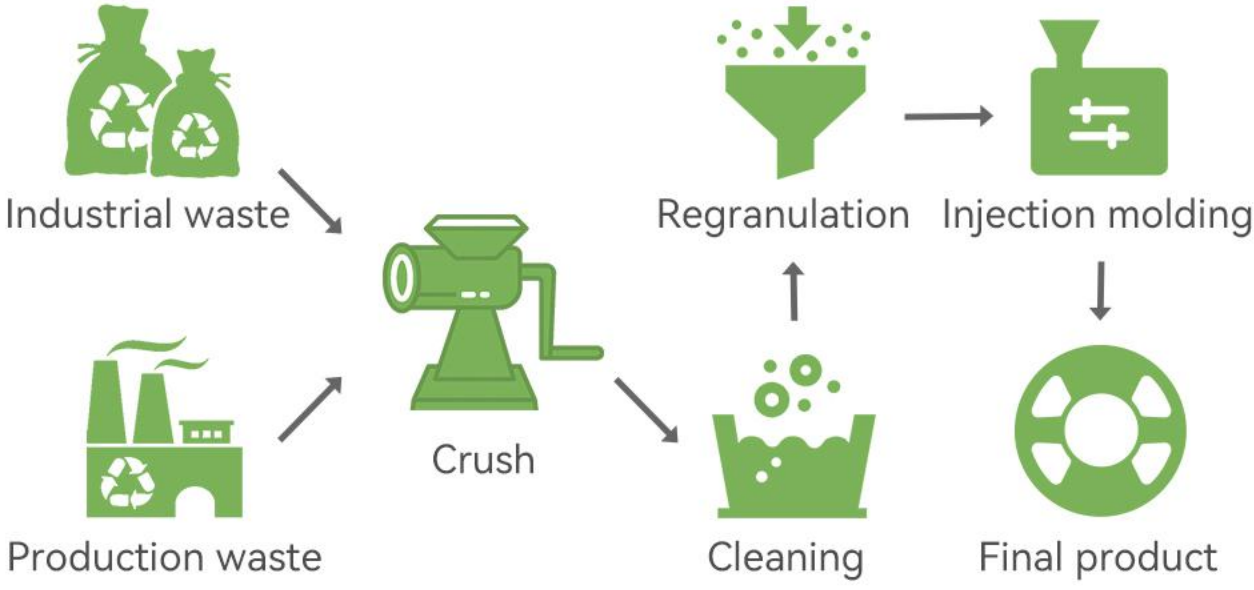
Compared with other materials such as ABS\PC\PA, the printing speed is faster

ENVIRONMENTALLY FRIENDLY MATERIALS

The raw material is refined from corn grains, Safe to use

REUSE OF WASTE MATERIALS

to create recyclable espools and outer boxes



APPLICATION FIELD

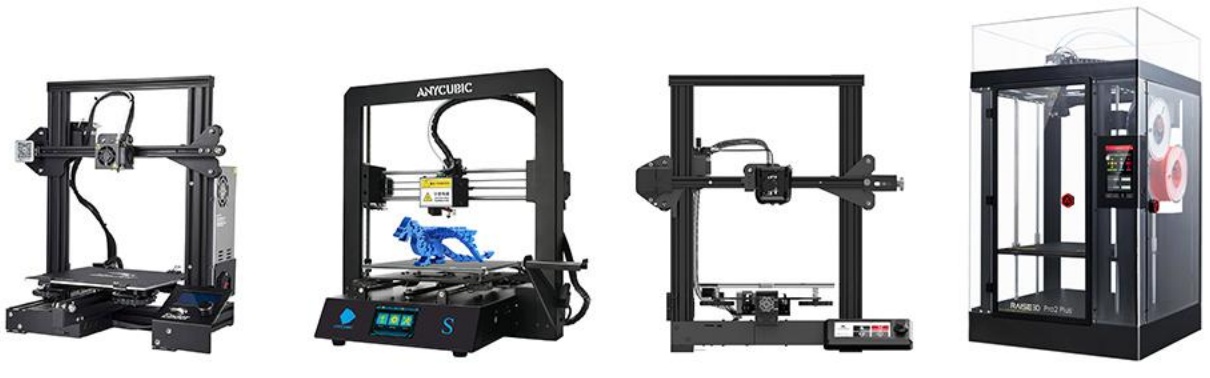
of daily accessories, decorations, toys
sculptures, shells, COSPLAY, etc.

APPEARANCE COMPARISON

- PLA
- ePLA-Gloss
- ePLA-Matte

Compatibility

General mainstream models, compatible with 99.99%
of FDM printers on the market



Colors Display






performance parameters

project	Test standard	Parameter
Melt Flow Index	GB/T 3682-2000	2.1(190℃/2.16kg)
Density	GB/T 1033-86	1.174g/cm^3
IZOD Impact Strength	GB/T 1843-96	33.15kJ/m^2
Tensile Strength	GB/T 1040-92	34.56MPa
Elongation at Break	GB/T 1040-92	56.1%
Flexural Strength	GB/T 9341-2000	41.21MPa
Flexural Modulus	GB/T 9341-2000	1119.41MPa
Heat Distortion Temp	GB/T 1634-2001	55.1℃

Set up	Recommended print parameters
Print the temperature	190~230℃
Slab temperature	45-60℃
Fan speed	100%
The printing speed	40-100mm/s

About us

eSUN was originally founded in Shenzhen in 2002, which is dedicated in R&D and industrialization of bio-degradable polymers, such as PLA and PCL. Adhering to Open Innovation with several top universities and institutions, eSUN own three R&D centers, which are syntheses, modification and application of polymers.

Since 2007, eSUN started to research 3D printing material , so far, eSUN successfully developed PLA, ABS, PVA(water soluble support filament), HIPS, PA, PCL, and PC filament etc. Since 2015,eSUN developed photopolymers for SLS/DLP/LCD 3D printing applications.

'Best Quality, Reasonable Price' is eSUN 's long-term insistent policy. Because of these, eSUN 3D printing materials are very popular in the globe market with eSUN brand or OEM brands.eSUN successfully established a stable win-win relationships with many famous 3D printer manufacturers, distributors and resellers all over the world.