ZS-405-R932 like ABS

1. Summary

- The performance of this material is similar to traditional engineering plastic ABS, with high mechanical strength and excellent impact strength.
- It can make functional parts that are hard, durable, assemble and require self-tapping screws.
- It is recommended to be used in product appearance verification, product assembly verification and other fields.

2. Technical Parameters and Peformance Index

Liquid performance index	
Test items	Value
Types	LCD light curing resin
Number	ZS-405-R932
color	White /Black/Gray/Transparent
Viscosity 粘度（25 ℃）	250cps~350cps
Use wavelength	395nm~405nm

Product performance index		
Test items	Detection method	ZS-405-R932
Tensile strength (MPa)	ASTM D638M	40MPa~ 45MPa
Elongation at break（%）	ASTM D638	11%~13%
Flexural strength（MPa）	ASTM D790	90MPa~100MPa
Impact strength (J/m)	ASTM D256	46J/m~49J/m
Water absorption（%）	ASTM D570	0.41
Hardness（D）	ASTM D2240	78D-82D
Heat distortion temperature（℃） Only UV post-treatment UV + 100 ℃ heat treatment 8h	ASTMD648 0.46MPa 0.46MPa	70°C~72°C
Printing parameters		
Conventional exposure time	4s~10s	
Bottom exposure time	40s~60s	
Printable layer thickness	0.025mm~0.lmm	

Post-processing steps:

●Dip the prints in isopropyl alcohol for about 1lmin, remove them and let them dry naturally;

Then put the printed part under UV lamp for secondary curing for about 300s; or expose it to the sun for one hour to get a better surface effect.