

TPU 85A

Thermoplastic Polyurethane

Print Settings	
Extruder Temperature	230°C
Bed Temperature	-
Bed Preparation	Clean with isopropyl alcohol before and after printing.
Cooling Fan	Yes
Closed Chamber	Yes
Heated Chamber	No
Chamber Temperature	-
Notes	<ul style="list-style-type: none"> Requires an SPFU (Soft Polymer Feeder Unit)

Material Management	
Drying	<p>Temperature</p> <ul style="list-style-type: none"> 50°C <p>Dry Time</p> <ul style="list-style-type: none"> Heat Only → 4 hours Heat + Vacuum → 2 hours
Recommended Support Material	<ul style="list-style-type: none"> SSU00 SSU04 SSU09 SSU301
Storage	<ul style="list-style-type: none"> Moisture-free container with desiccant.
Compatible Materials	<ul style="list-style-type: none"> ASA ABS

Slicer Settings	KISSlicer (0.4mm)	KISSlicer (0.6mm)
Material Profile Name	Contact TRAK to request this material profile	Contact TRAK to request this material profile
Layer Height	0.24 mm	0.3 mm
Loops	2	
Skin	1	
Infill	20 %	16.7 %

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Chemical Resistance Table

Resistance classes:

A High Resistance	B Limited Resistance	C Little or No Resistance	-- No Data Available
All materials in this class are almost completely inert to the specified chemical	Chemicals in this class are partially affected by the specified chemical and lead to a shortened lifetime	Not recommended for use with specified chemical	

Acids	
C	Acetic, 5%
C	Boric, 4%
C	Chromic
C	Citronic
C	Formic, 20%
C	Hydrochloric, 10%
C	Lactic
C	Nitric, >1%
C	Oleic
C	Phosphoric
B	Sulfuric, 20%

Alcohols	
C	Ethanol
C	Isopropanol
B	Methanol

Alkali	
B	Sodium Hydroxide, 20%
A	Soap, 1%
B	Potassium Hydroxide
C	Ammonia, >10%

Miscellaneous	
B	Clorox, 5%
A	Calcium Solution Saturated
C	Freon 113
C	Freon 11B
A	Freon 12
A	Hydrogen Disulfide, 5%
A	Mr. Clean
A	Sodium Chloride Saturated
A	Synthetic Perspiration
B	Tide Detergent
A	Water

Organics	
C	Acetone
A	ASTM Fuel A
B	ASTM Fuel B
B	ASTM Fuel C
A	ASTM Oil #1
A	ASTM Oil #2
A	ASTM Oil #3
B	Benzene
B	Brake Fluid, Type A
--	Brake Fluid, (HD)
A	Butane
B	Carbon tetrachloride
C	Cyclohexanone
C	Dimethyl formamid
C	Dimethyl sulfoxide
C	1,4-dioxane
B	Diocyl Phthalate
C	Ethylene dichloride
--	Ethyl ether
A	Ethylene glycol (Antifreeze)
A	Gasolene, 100 octane
--	Hexane
A	Kerosene
C	Methylene chloride
B	Methyl ethyl ketone
C	n-Methyl-2-pyrrolidene
--	Oil, Texas Crude
--	Oil, Detergent 20W
--	Oil, Nondetergent 20W
--	Oil, Skydrol Type B
--	Oil, Skydrol Type 500A
--	Oil, Skydrol Type 500B
A	Oil, Transmission Type A
B	Perchloroethylene
C	Pyridine
C	Tetrahydrofuran
B	Toluene
C	Trichloroethylene
A	Turpentine