

RPU 70 Overview



RPU 70 is a tough, heat resistant material that is a good choice for parts requiring strength, toughness, and moderate heat resistance.

MATERIAL PROPERTIES Ref TDS for more info.

Tensile Modulus	1900 +/- 200 Mpa
Ultimate Tensile Strength	45 +/- 2 Mpa
Elongation at Break	100 +/- 20%
Flexural Strength	62 +/- 9 Mpa
Impact Strength	22 +/- 1 J/m
Heat Deflection Temp	70°C
Shore Hardness	80, Shore D
Density	1.076 g/cm ³

STORAGE


Temperature	17 - 25°C (64 - 77 °F)
Packaging	400 ml cartridge 5 L MMD containers

Notes

- Can be used immediately from storage.

RESIN DISPENSING & PRINTING

Supplemental information available.

Ratio	10:1	Burn off	10 ml new cartridge	Notes • Available for use in the MMD or in cartridges with dispensing guns.
Speed	1	MMD	Yes	
Mixing tip	Orange	Pot life	8 hours	
		Release film	Not required/ optional	

WASHING

Solvent	99% Isopropanol	Manual Process <ul style="list-style-type: none"> • 2 min orbital shaker at 130 RPM • Mid-wash touch up with swabs (or wipes), compressed air, or spinner. • 2 min orbital shaker at 130 RPM (if necessary). • Air dry or dry with swabs (or wipes), compressed air, or spinner. • 1 min spot clean with swabs (or wipes) or compressed air, as needed. • Air dry or dry with swabs (or wipes) or compressed air.
Exposure	5 min max	
Part Washer	Yes Vertrel™ solvent blend	
Notes		

CURING

Cure start	w/in 15 hrs of printing	UV	<ul style="list-style-type: none"> • Pre salt bake only • 5-10 sec per side 	Compatible baking implements <ul style="list-style-type: none"> • Ceramic baking tray (clean) • Non-stick aluminum foil • Silicone sheets • Pan mesh
Salt bake	Yes	Thermal	<ul style="list-style-type: none"> • Program 3 - Pattern 1 • 4 hours at 120°C 	