

EPX 82 Overview



EPX 82 combines functional toughness, stiffness, and temperature resistance making it useful in a variety of automotive, industrial, and consumer applications.

MATERIAL PROPERTIES Ref TDS for more info.

Tensile Modulus	2800 Mpa
Ultimate Tensile Strength	82 Mpa
Elongation at Break	5.9 %
Flexural Stress	130 Mpa
Impact Strength	44 J/m
Heat Deflection Temp	130°C
Shore Hardness	89, Shore D
Density	1.155 g/cm ³


STORAGE Supplemental information available.

Temperature	4°C (39.2 °F)
Packaging	375 ml cartridge

Notes

- Cartridges must be refrigerated; room temperature cartridges are valid for 1 month.

RESIN DISPENSING & PRINTING Supplemental information available.

Ratio	1:1	Burn off	10 ml new cartridge	Notes
Speed	1 or 2*	MMD	No	
Mixing tip	White	Pot life	12 hours	
		Release film	Recommended	

- * Speed 2 on Albion, speed 1 on Cox.
- Refrigerated cartridges must be brought to room temperature for 4 hours before printing.

WASHING Supplemental information available.

Solvent	Dimethyl adipate (DMA)	Manual Process
Exposure	3 min max	
Part Washer	Yes DMA	
Notes		<ul style="list-style-type: none"> • 1 min orbital shaker at 150 RPM. • Mid-wash touch up with swabs (or wipes), compressed air, or spinner. • Repeat up to two times (as needed): 1 min orbital shaker at 150 RPM. • Dunk parts in 99% Isopropanol (IPA) within 2 minutes of final DMA wash for 2-10 seconds. • Dry with compressed air (recommended) or air dry. • Spot clean with swabs (or wipes) or compressed air, as needed (using IPA sparingly if additional solvent is necessary). • Air dry or dry with swabs (or wipes) or compressed air.
<ul style="list-style-type: none"> • Parts remain shiny from the DMA until dunking in IPA. • Use IPA designated for dunking EPX 82 parts. 		

CURING Supplemental information available.

Cure start	w/in 8 hrs of printing	UV	N/A	Compatible baking implements
Salt bake	Yes <i>(delay packing 4 hrs to minimize sticking)</i>	Thermal	<ul style="list-style-type: none"> • Program 1 - Pattern 1 • 12.5 hours ramped temperature 	

- Ceramic baking tray (clean)
- Non-stick aluminum foil
- Pan mesh