

# Hapweld™ 37

Thermoplastic

Hapco Inc.

Message:

HAPWELD 37 A/B is a thixotropic (putty-type) version of HAPWELD 36 A/B.

HAPWELD 37 has a creamy, non-sag consistency, which can be applied with a trowel, knife, or brush, and adhesive will not sag or shrink. The smooth consistency allows the user not only to use HAPWELD 37 as an adhesive, but also as a void filling and filleting putty.

HAPWELD 37 can be easily machined; feather edged, drilled, tapped, turned in a lathe, sanded, and polished. It is compatible and will bond to most metals, wood, plastics, ceramics, fabrics, and compositions of almost any type.

Another added advantage of HAPWELD 37 is that Part A is black and Part B is white. When mixed, they turn gray. This color-coding insures the user both a good homogenous mix and also allows the user to spot-check the mix ratio by color.

Some proven applications are: filleting spot welded metal parts, forming a radius on foundry patterns, patching of all types, anchoring bolts and machines, repairing valves, shafts, bonding magnets, and repairing pitted bearing surfaces

General Information			
Features	Bondability		
	Machinable		
	Thixotropic		
Uses	Adhesives		
	Filling Applications		
	Repair Purpose Filler		
Appearance	Grey		
Forms	Liquid		
Physical	Nominal Value	Unit	
Weight - Per gallon	5000	g	
Service Temperature	-73 to 71	°C	
Work Time <sup>1</sup>	0.7 to 2.0	hr	
Cure Time (21°C)	1.0 to 2.0	day	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	85		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	51.7	MPa	
Shear Strength	27.6	MPa	ASTM D732
Electrical	Nominal Value	Unit	
Volume Resistivity (25°C)	1.0E+16	ohms · cm	
Dielectric Constant (25°C)	3.70		
Thermoset	Nominal Value	Unit	
Thermoset Components			
Part A <sup>2</sup>	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Part A <sup>3</sup>	Mix Ratio by Weight: 2.0, Mix Ratio by Volume: 2.0		

Part B <sup>4</sup>	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0
Part B <sup>5</sup>	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0
NOTE	
1.	Depending on mix ratio. Longest working life is at 2 parts A to 1 part B, and the shortest is at 1:1 mixing ratio.
2.	Semi-rigid
3.	Hard
4.	Semi-rigid
5.	Hard

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