

F-40 Polyurethane Datasheet

Before cured:

Item	F-40	
Apperance/25°C	Transparency (A)	light yellow (B)
Viscosity/25°C (mPa.s)	800-1500	2000-2500
Mixing ratio	A : B = 1 : 1	
Mixing temperature (°C)	A: 20~35	B: 20~35
Operating time/25°C (min)	15~20	
Curing temperature (°C)	20~35	
Curing time (h)	72~96	
Storage stability	6 months under dry and cool conditions	

Cured Datasheet:

Hardness(Shore A)	40±3
Elongation(%)	≥550
Tensile strength(MPa)	≥4.0
Tearing strength (KN/m)	≥20
Resilience(%)	≥40

Operation:

F-40 liquid polyurethane rubber has two components A and B,hardness is shore A 40±3, color is brown yellow transparent polyurethane, the specific operation process as below:

- 1,** take the material according the weight ratio A: B = 1: 1 and mix evenly
- 2,** the A, B components must be stirred evenly (because the B component consists of a variety of components, including chain extenders, catalysts, etc., so before use must be stirred evenly)
- 3,** the best mixing temperature of 20-35 degrees Celsius
- 4,** put the mixed evenly polyurethane rubber into the vacuum machine to remove the bubbles
- 5,** pouring the defoaming polyurethane rubber in the mold, Note: This material operation time only have about 15-20 minutes
- 6,** to keep cured polyurethane rubber in room temperature for a week then can put into use that will extend the molds service life

Note: After opening the packaging, unused A, B material need to be sealed well to prevent moisture into the barrel and impact of product appearance and performance

F-70 Polyurethane Datasheet

Before cured:

Item	F-70	
Apperance (25°C)	Colorless (A)	light yellow-green (B)
Viscosity/25°C (mPa.s)	4000-4500	2000-2500
Mixing ratio	A : B = 1 : 1	
Mixing temperature (°C)	A: 20~35	B: 20~35
Operating Time/25°C (min)	19~25	
Curing temperature (°C)	20~35	
Curing time (h)	72~96	
Storage stability	6 months under dry and cool conditions	

After cured:

Hardness(Shore A)	70±3
Elongation(%)	≥450
Tensile strength(MPa)	≥5.0
Tearing strength (KN/m)	≥30
Resilience(%)	≥20

Operation:

F-70 liquid polyurethane rubber has two components A and B, hardness is shore A 70±3, color is brown yellow transparent polyurethane, the specific operation process as below:

- 1**, take the material according the weight ratio A: B = 1: 1 and mix evenly
- 2**, the A, B components must be stirred evenly (because the B component consists of a variety of components, including chain extenders, catalysts, etc., so before use must be stirred evenly)
- 3**, the best mixing temperature of 20-35 degrees Celsius
- 4**, put the mixed evenly polyurethane rubber into the vacuum machine to remove the bubbles
- 5**, pouring the defoaming polyurethane rubber in the mold, Note: This material operation time only have about 19-25 minutes
- 6**, to keep cured polyurethane rubber in room temperature for a week then can put into use that will extend the molds service life

Note: After opening the packaging, unused A, B material need to be sealed well to prevent moisture into the barrel and impact of product appearance and performance