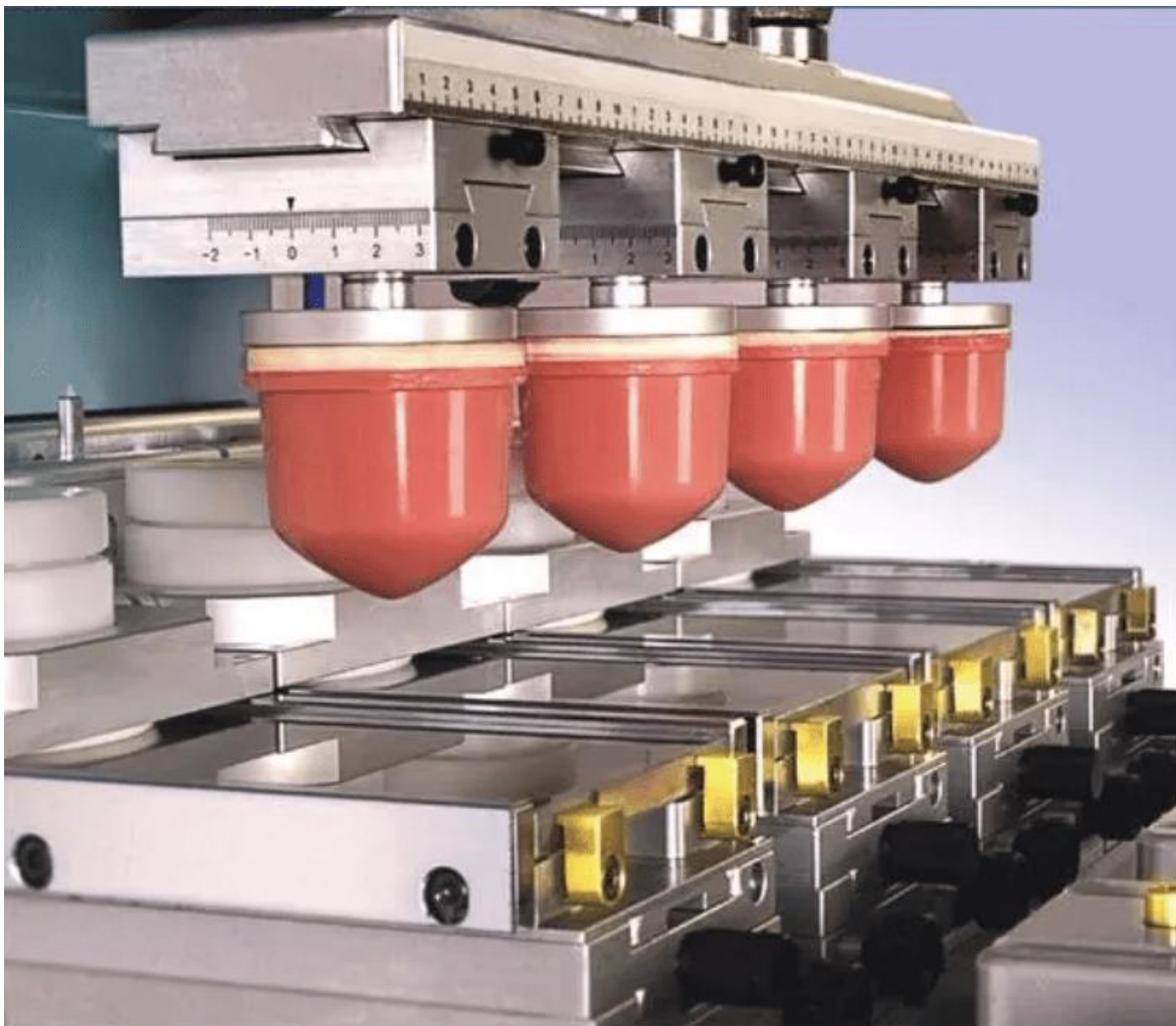


Technical Information

RTV-2 Pad Printing Silicone Rubber

Application:

Pad printing silicone rubber is a high performance silicone for making printing pads.



Characteristics:

Pourable, platinum-curing, two-component silicone rubber for pad printing that vulcanizes at room temperature.

Features:

- ① very good flow
- ② High tear strength
- ③ Long shelf life
- ④ good printing effects
- ⑤ addition-curing
- ⑥ No impurities, good resilience and outstanding oiling

Product Data:

Pad Printing Series	Hardness (Shore A)	Mixing Ratio	Viscosity (mPa.s)	Working Time (25°C) mins	Curing Time (25°C) hrs	Tear Strength (kN/m)	Tensile Strength (Mpa)	Elongation (%)
PP-30	30±2	9A:1B	6000±1000	20~30	4~6	≥20	≥7.2	≥420
AP-30	30±2	9A:1B	8000±3000	20~30	4~6	≥22	≥7.6	≥420

ATT:

- 1.) Color can be adjusted
- 2.) Hardness can be adjusted
- 3.) Working time and curing time can be adjusted
- 4.) AP-30 is an antistatic pad printing silicone

Printing Pads Making Instruction:

- 1.) **Mold Prep:** Clean mold, dry thoroughly, and apply release agent.
- 2.) **Mixing:** Mix base and catalyst at a 9:1 ratio. Add silicone oil (max 30%) to soften hardness. Stir well.
- 3.) **Degas:** Vacuum at -0.1 MPa for 3–6 minutes to remove bubbles.
- 4.) **Pour:** Slowly pour into mold in a steady stream.
- 5.) **Cure:** Let sit at room temperature for 8–24 hours.
- 6.) **Demold:** Remove pad and rest for 24 hours before use.



TOPSIL SILICONE

Important Notice

The platinum catalyst is contained in part B.

Avoid contact with tin, sulfur, amines, and moisture to prevent cure inhibition

TRANSFER PRINTING PAD MAKING GUIDE

1. MOLD PREP <ul style="list-style-type: none">- Clean & Dry Mold- Apply Release Agent <p>- Clean & Dry Mold - Apply Release Agent</p>	2. MIXING <ul style="list-style-type: none">- Base A : Catalyst B (9:1 Ratio)- Add Silicone Oil (max 30% for softening)- Stir Thoroughly <p>B Catalyst A Base SILICONE OIL</p>	3. DEGASSING <ul style="list-style-type: none">- Vacuum at -0.1 MPa- Hold PPa- Vacuum at -0.1 MPa- Hold for 3-6 Minutes
4. POURING <ul style="list-style-type: none">- Pour Slowly in a Steady Stream	5. CURING <ul style="list-style-type: none">- 20°C - 25°C- Sit at Room Temp 10:30 AM → 9:30 AM (Next Day)	6. DEMOLDING <ul style="list-style-type: none">- Remove Cured Pad- Rest for 24 Hours- Remove Curel Pad- Rest for 24 Hours

Available Packages:

Part A	900g	4.50kg	18kg
Part B	100g	0.5kg	2kg



Shelf Life:

At least 18 months from the date of production.

Storage&Cautions:

- * It should be stored in a dry place in its original sealed container.
- *Read the product safety data sheet(MSDS) carefully before using, which can be got from the supplier.