

Furniture Molding Silicone

Product Description:

Furniture Molding Silicone is wonderful to make molds either with simple or intricate patterns for replicating complex pattern design of polyester, expandable polyurethane Foam, solid polyurethane furniture.

With good resistance to heat, deformation, low shrinkage and excellent tension and tear strength, finished silicone molds serve very good performance in reproduction process with every fine detail on designing models.



Appearance:

Part A: **Silicone Rubber** is an white liquid

Part B: **Catalyst** is an non-toxic and odorless liquid in transparent color.

ATT: we can provide catalyst of **Fast, Medium, Slow** for hot ,cold, warm season.



Features:

- ✧ Amazing fluidity and easy to operate
- ✧ Delicate design available
- ✧ Non Oily
- ✧ Non white stick pot
- ✧ Non-toxic and odorless catalyst Provided
- ✧ Easy de-molding
- ✧ Excellent tension and tear strength
- ✧ High performance in duplication
- ✧ almost nil shrinkage below 0.2
- ✧ Excellent resistance to weather, temperature, aging, acid & aging-Proofing.

Model Code: S815, S820, S825, S830

Technical Data:

Notes: The data are based on the operation under room temperature of 25 °C.

| Typical general characteristics | Inspection Method | Value | | | |
|-------------------------------------|-------------------|-----------|------------|------------|------------|
| | | S815 | S820 | S825 | S830 |
| Product data (Catalyzed A+B) | | | | | |
| Hardness | Shore A | 15±2 | 20±2 | 25±2 | 30±2 |
| Mix Ratio | A:B | 100:3 | 100:3 | 100:3 | 100:3 |
| Color | / | White | White | White | White |
| Pot life | 25 °C (77F) | 30-50mins | 30-50mins | 30-50mins | 30-50mins |
| Curing time | 25 °C (77F) | 3- 5hrs | 3- 5hrs | 3- 5hrs | 3- 5hrs |
| Viscosity | mPa.s | 8000±3000 | 14000±3000 | 15000±3000 | 21000±3000 |
| Tear-Strength | kN/m | ≥25 | ≥26 | ≥28 | ≥28 |
| Tensile -Strength | MPa | ≥4.0 | ≥4.5 | ≥4.8 | ≥4.8 |
| Elongation | % | ≥500 | ≥500 | ≥500 | ≥450 |
| Shrinkage | % | ≤0.2 | ≤0.2 | ≤0.2 | ≤0.2 |

Packing:

Part A for silicone: 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing.

Part B for catalyst: 30g, 50g, 100g, 150g, 200g, 250g, 1kg.



Storage & Shelf Life:

1Year at least, stored in a cool and dry place under room temperature 25°C

Operation Method:

Both Pouring or brushing operation methods for our Furniture Molding Silicone are available. You can chose the best one as your preference, we can provide thixotropic agent for Brushable.



Caution - Safety First !!!

1. Read the material safety data sheet(MSDS) before use.
2. Keep Out Of Reach Of Children.
3. Be careful. Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15mins and seek immediate medical attention. Remove from skin with water-less hand cleaner followed by soap & water.

