

GFRC Casting Silicone

Product Description:

GFRC Casting Silicone is wonderful to make molds either with simple or intricate patterns, such as GRG(Reinforced concrete), GRC (glass-fiber-reinforced gypsum), cement and other decoration architectural products etc. With good resistance to heat, deformation, acid & alkali and expansion, 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: S825 , S830, S835, S840

Technical Data:

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

Typical general characteristics	Inspection Method	Value			
		S825	S830	S835	S840
Product data (Catalyzed A+B)					
Hardness	Shore A	25±2	30±2	35±2	40±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	15000±3000	21000±3000	18000±3000	19000±3000
Tear-Strength	kN/m	≥28	≥28	≥25	≥23
Tensile -Strength	MPa	≥4.8	≥4.8	≥4.2	≥4.0
Elongation	%	≥500	≥450	≥400	≥300
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 GFRC casting 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.

