

Artificial Limbs Silicone

Product Description:

Artificial Limbs Silicone is great to make for artificial limbs products such as duplicating for somebody's hands, fingers, feet, other human organs, making movie special efforts or orthotic making and orthopedic applications etc.

With platinum cured which is environmental friendly, odorless and nontoxic. Also, it have soft hardness and excellent tension and tear strength and resilience .



Appearance:

Part A: an non-toxic and odorless liquid in translucent color with platinum inside

Part B: an non-toxic and odorless liquid in translucent color.

ATT: We do any curing time as your requirements



Features:

- ✧ Amazing fluidity and easy to operate
- ✧ Platinum-based (environmental, odorless and nontoxic)
- ✧ Mixing ration: 1:1 for easy mixing ration
- ✧ Easy de-molding
- ✧ Excellent tension and tear strength
- ✧ High performance in duplication
- ✧ almost nil shrinkage below 0.1
- ✧ Excellent resistance to weather, temperature, aging, acid & aging-Proofing.
- ✧ High resistance to high temperature and aging(resist -60 to 250°C)

Model Code: R200, R205, R210, R215, R220

Technical Data:

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

Typical general characteristics	Inspection Method	Value				
Product data (Catalyzed A+B)		R200	R205	R210	R215	R220
Hardness	Shore A	0	5±2	10±2	15±2	20±2
Mix Ratio	A:B	1:1	1:1	1:1	1:1	1:1
Color	/	Translucent	Translucent	Translucent	Translucent	Translucent
Pot life	25 °C (77F)	20-40mins	20-40mins	20-40mins	20-40mins	20-40mins
Curing time	25 °C (77F)	3- 5hrs				
Viscosity	mPa.s	2000±1000	3000±1000	4000±1000	5000±1000	5500±1500
Tear-Strength	kN/m	≥3	≥13	≥16	≥18	≥26
Tensile -Strength	MPa	≥1.5	≥2.5	≥3.5	≥5.5	≥6.0
Elongation	%	≥400	≥450	≥450	≥450	≥500
Shrinkage	%	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1

Packing:

Part A : 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in white color

Part B: 1kg, 5kg, 20kg, 25kg, 200kg, Vacuumed Packing in sky blue color



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 artificial limbs 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.

