

HY-E Series Moldmaking RTV-2 Silicone Rubber

Addition-curing, Translucent, Two-component moldmaking silicone rubber that vulcanizes at room temperature.

FEATURES:

- Translucent silicone rubber
- Very good heat resistance
- High thermal conductivity
- Outstanding resistance to common casting resins
- Improved urethane and concrete resistance
- Great fluidity
- High tear strength
- Nil shrinkage
- Enhanced durability

APPLICATIONS:

- Prototyping
- Architectural Restoration
- Sculpting/Wax Casting
- Concrete/GRC Casting
- Gypsum/Plaster Decoration
- Resin Crafts Molding
- Furniture Molding
- Tire Molding
- Low Melting Alloys
- Ceramics Moldmaking
- Candles Moldmaking
- General Plastic Casting

Technical Data @25°C/77°F

Model	HY-E615	HY-E620	HY-E625	HY-E630	HY-E640
Color	Translucent	Translucent	Translucent	Translucent	Translucent
Hardness(shore A)	15	20	25	30	40
Mix Ratio (A:B by weight)	1:1	1:1	1:1	1:1 or 10:1	1:1 or 10:1
ViscosityCmPa.s ³	9000	11000	12000	14000	16000
Tensile strength (MPa)	4.5	4.8	5.3	5.4	6.5
Tear-strength (KN/m)	16	18	17	20	21
ElongationC% ³	480	510	480	480	360
Pot life (min)	30-50	30-50	30-50	30-50	30-50
Curing time (h)	3-5	3-5	3-5	3-5	3-5

*1 Mold Silicones in different hardness are available.

*2 Curing agent with different curing speed can be adjusted.

*3 Standard curing time will vary depending on the size of the cured item, temperature and humidity.

*4 Use a vacuum deaerator to deair before pouring the RTV silicone over the master.

*5 In contact with certain substances (Such as organic compounds containing S, P, N as well as metallic salt of organic acids) that may cause these products cure incompletely or not cure.

Storage & Shelf Life:

When stored at or below 32°C (89.6°F) in the original unopened containers, HY-Eseries Silicone Base and its Curing Agents have a usable life of 12 months.

Package:

HY-Eseries Silicone Part A is available in 1Kg, 5Kg, 20Kg, 25Kg and 200Kg containers.

Part B is available in 50g, 1Kg, 5Kg, 20Kg, 25Kg and 200Kg containers.

These values are not intended for use in preparing specifications. Please contact your local Hong Ye Silicone sales office or your global Hong Ye Silicone connection to get more information.