

HY-6Series Moldmaking RTV-2 Silicone Rubber

Condensation-curing, Pourable, Two-component moldmaking silicone rubber that vulcanizes at room temperature.

FEATURES:

- Mixing ratio of catalyst 2%-5%
- Good flowability
- Great self-deaeration
- Very good heat resistance
- High thermal conductivity
- Outstanding release properties
- High tear resistance
- Low shrinkage
- Outstanding resistance to inhibition
- Good resistance to polyester resin and concrete
- Can be made thixotropic (nonflowable) for vertical surface replication

APPLICATIONS:

- Architectural Restoration
- Sculpting/Wax Casting
- Concrete/GRC Casting
- Gypsum/Plaster Decoration
- Polyester/Resin Crafts Molding
- Furniture Molding
- Candles Moldmaking
- Soaps Moldmaking
- Tire Molding
- Rapid Prototyping Urethane casting
- Detailed reproduction of figurines, art objects and similar items

Technical Data@ 25°C/77°F

Model	HY-615	HY-625	HY-630	HY-635	HY-640
Color	White	White	White	White	White
Hardness(shore A)	15	25	30	35	40
Catalyst Mix Ratio (by weight)	2%-5%	2%-5%	2%-5%	2%-5%	2%-5%
ViscosityCmPa.s ³	15000	19000	25000	32000	11000
Tensile strength (MPa)	3.2	4.7	5.0	4.8	4.3
Tear-strength (KN/m)	22	28	29	30	26
ElongationC% ³	480	460	500	510	390
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 Silicone in different hardness and colors 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.

Storage & Shelf Life:

When stored at or below 32°C (89.6°F) in the original unopened containers, HY-6series Silicone Base and its Curing Agents have a usable life of 12months.

Package:

HY-6Series Silicone Base is available in 1Kg, 5Kg, 20Kg, 25Kg and 200Kg containers.

Curing Agents are available in 50g, 1Kg and 20Kg 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.