

Mold making silicone rubber IS-CR SERIES (Condensation cure)

Description

INNO SILICA® IS-CR Series, is Condensation cure silicone rubbers, a liquid type, two-component materials which cure at room temperature (RTV) to flexible, high tear-strength rubbers. It has exceptional working properties and library life. IS-CR Series offer different grades in hardness, viscosity, tear and tensile strength for different applications.

Key features

- ★ Reproduce fine details for any sizes of products
- ★ Easy mixing, self-release and user friendly
- ★ Both Pourable and Brushable available
- ★ Excellent tear and tensile strength, good elongation, long library life
- ★ High heat and chemical resistance
- ★ Ideal molding material for casting, optimal material to replace PU molds
- ★ Maximize your duplication times

Applications

Inno Silica® IS-CR Series are suitable for a variety of industrial and art related applications including , Making molds to reproduce prototypes, furniture, sculpture, concrete, plaster, gypsum , fiber glass , wax/candle crafts, toys, soap , artificial stones, cement decoration, GRC, GRG and also food product items, where high temperature resistance, food grade are not required.

Optional Accessories

Silicone Pigment | Thickener | Thixotropic agent | Mixer Machine | Vacuum Machine

Physical Properties @25°C	IS-CR10	IS-CR15	IS-CR20	IS-CR25	IS-CR30	IS-CR35	IS-CR40
Hardness (shore A)	10	15	20	25	30	35	40
Flexibility	Very soft	Soft	Soft	Medium	Medium	Medium	Hard
Mixing ratio (by weight)	100:2~5	100:2~5	100:2~5	100:2~5	100:2~5	100:2~5	100:2~5
Color	White	White	White	White	White	White	White
Mixing Viscosity (cps)	8,000- 10,000	10,000- 15,000	18,000- 20,000	22,000- 25,000	23,000- 28,000	26,000- 30,000	28,000- 32,000
Working time (Mins)	Fast type:10-15Mins		Standard type:30-40Mins			Slow type: 60-90Mins	
Cure time (Hrs)	Fast type:1-2hrs		Standard type:5-8hrs			Slow type:10-12hrs	
Tear strength (N/mm)	≥18	≥22	≥25	≥27	≥26	≥23	≥20
Tensile Strength (Mpa)	≥4.5	≥4.2	≥4.3	≥4.0	≥4.2	≥3.7	≥3.5
Elongation (%)	≥500%	≥480%	≥450%	≥430%	≥400%	≥380%	≥350%

Packing

25KG/Pail , 200KG/Pail

Storage & shelf-life

12 months, stored in a dry & cool place under temperature 25°C, with seal.





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