

Samsil Semi Clear 25

RTV-2 Silicone Rubber, Shore(A) 23-27

Samsil Semi Clear 25 is a 2-component poly-addition silicone which hardens at room temperature. This is a very robust and easy 1:1 system based on a platinum catalyst. These silicones combine a high tear strength with a relatively good transparency, but these silicones are certainly not crystal clear.

Specific properties

- Low viscosity, good deaeration
- High tear and tensile strength
- Non Bleeding
- Higher transparency than most silicones

Additives

- Thixo: to thicken the consistency
- Inhibitor: to prolong the working time and curing time
- Accelerator: to shorten the operating time and curing time
- Dyes.

- Store the silicone in a dry place between 5 and 25 degrees. Keep in a tightly sealed container. And out of direct sunlight. Shelflife at least 1 year if stored properly.
- Please note that addition curing silicone may be poisoned by some materials like sulfur and tin salts etc. Avoid these products. For an extensive list of potential cure inhibitors please visit our website.
- Working and cure time of addition curing silicone strongly depends on temperature. Higher temperatures will shorten working time.

Storage/ Usage

Properties of products

Property	Unit	Value
Mix ratio (weight)	[A:B]	100:100
Potlife @ 25 °C	[min]	30
Cure time @ 25 °C	[hours]	3-5
Fully strength @ 25 °C	[days]	1

Please note, do not deviate from the mix ratio as this will change the properties of the silicone.

Standard results

Property	Unit	Samsil Semi Clear 25 A comp.	Samsil Semi Clear 25 B comp.	Mixture 1:1 (in weight)	Cured
Appearance		Colorless	Colorless	Colorless	Colorless transparent
Density@ 25°C	[g/cm ³]				1.03
Viscosity @ 25 °C	[mPa s]			12.000+/- 500	-
Hardheid DIN 53505	[Shore A]	-	-	-	23-27
Scheursterkte	[kg/cm]	-	-	-	5
Treksterkte	[kg/cm ²]	-	-	-	12
Verlengpercentage	[%]	-	-	-	500
Krimp	[%]	-	-	-	<0.1

Please note: these are standard results seen by this silicone. These are not specifications. The customer should test the product to see if it fits the intended purpose.