

Modifier OH

Reactive silicone plasticizers

Modifier OH are reactive silicone plasticizers for condensation systems containing both crosslinkable (hydroxy-functional) and unreactive chain ends. Modifier OH are therefore particularly suited for producing “non-bleeding” silicone sealants for marble/natural stone applications and for the electronics industry. Gel-like materials can also be produced using Modifier OH.

Technical data (no specification)

Product name	Viscosity at 25 °C [mPas]
Modifier OH 650	50 000
Modifier OH 655	5 000

Technical data (no specification)

Property	Unit	
Appearance		clear, colorless liquid
Refractive index n_D^{20}		1.4054
Density (20 °C)	[g/cm ³]	approx. 1

Application

Silicone formulations using Modifier OH can be produced in the same way as other known polymer/plasticizer mixtures, i. e. by substituting a non-reactive plasticizer completely or partly by Modifier OH; if required, the base polymer may also be partly substituted by Modifier OH. Depending on the percentage of Modifier OH contained in a formulation, the Shore hardness can be adjusted over a wide range. Crosslinking of the reactive chain end of this modifier is by means of the condensation crosslinkers already present in the respective system.

It should be pointed out that formulations containing Modifier OH show improved (reduced) time to first elastic recovery compared to formulations containing non-reactive silicone plasticizers.

Packaging and Storage

Packaging	190 kg drum, 950 kg IBC PE
Shelf life	12 months in originally sealed containers
Storage	Dry, up to 30 °C (86 °F) in sealed containers, do not permanently expose to intensive sunlight

Safety and Handling

The rules and regulations for the handling and use of chemicals have to be observed. Please refer to the Material Safety Data Sheets for further details.

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