



Technical Data Silicone rubber ADDV-25

(Set of two components)

Description

- Hardness Shore A 25±2
- Heat resistant up to max. 250 °C
- Superior flowability
- Fast, shrinkage-free vulcanisation at room temperature
- Good tear resistance



ADDV-25 is a pourable, addition-curing 2-component RTV silicone rubber particularly suitable for the reproduction of models with undercuts using polyurethane and epoxy resins.

As both component batches are matches to each other, we only supply complete batches. It is not possible to obtain individual deliveries of silicone and catalyst.

Processing

No heat of reaction occurs during vulcanization so that even larger quantities (e.g. 10 kg) can be poured without the risk of overheating.

If heat is added during curing (e.g. in a heating cabinet or oven), the vulcanization time is reduced by half at a temperature increase of each 10 °C. The heat thus accelerates the cross-linking reaction. The maximum recommended curing temperature is 70 °C.

Caution: Cannot be processed with our Universal Colour Pastes.

We recommend a test by pouring the mixture of the two components into a limited area of the mould.

The vulcanisation interfering substances (see R&G ewiki) can be on surfaces and also in the ambient air, so it is important to use non-contaminated tools and equipment, which were not in contact with them.

Silicone	ADDV-25	Colour	A: Translucent	
			B: Blue	
Characteristics	Target value*		Actual value*	
Viscosity (m.Pas)	A: 3500±500	Nach dem Mischen 3500 ± 500	A: 3600	Nach dem Mischen 3500
	B: 3400±500		B: 3400	
Hardness Shore A	25±2		26	
Tear strength(kN/m)	≥ 25		27	
Tensile strength (MPa)	≥5		6	
Elongation (%)	≥ 550		580	
Mixing ratio	1 : 1		1 : 1	
Processing time (min/25 °C)	30 - 50		39	
Curing time (after h)	4 - 5		4 - 5	
Shrinkage (%)	< 0,1		< 0,1	

*Exemplary target/actual values from series production, determined in the course of continuous quality inspections.



Technical Data Silicone rubber ADDV-42

(Set of two components)



Description

- Hardness Shore A 40±2
- Heat resistant up to max. 250 °C
- Superior flowability
- Fast, shrinkage-free vulcanisation at room temperature
- Good tear resistance

ADDV-42 is a pourable, addition-curing 2-component RTV silicone rubber particularly suitable for the reproduction of models with undercuts using polyurethane and epoxy resins.

As both component batches are matches to each other, we only supply complete batches. It is not possible to obtain individual deliveries of silicone and catalyst.

Processing

No heat of reaction occurs during vulcanization so that even larger quantities (e.g. 10 kg) can be poured without the risk of overheating.

If heat is added during curing (e.g. in a heating cabinet or oven), the vulcanization time is reduced by half at a temperature increase of each 10 °C. The heat thus accelerates the cross-linking reaction. The maximum recommended curing temperature is 70 °C.

Caution: Cannot be processed with our Universal Colour Pastes.

We recommend a test by pouring the mixture of the two components into a limited area of the mould.

The vulcanisation interfering substances (see R&G ewiki) can be on surfaces and also in the ambient air, so it is important to use non-contaminated tools and equipment, which were not in contact with them.

Silicone	ADDV-42	Colour	A: Translucent	
			B: Red	
Characteristics	Target value*		Actual value*	
Viscosity (m.Pas)	A: 8800±600	Nach dem Mischen 6000 ± 600	A: 9200	Nach dem Mischen 6300
	B: 3900±600		B: 3400	
Hardness Shore A	40±2		41	
Tear strength(kN/m)	≥ 12		13	
Tensile strength (MPa)	≥ 6,5		7	
Elongation (%)	≥ 400		466	
Mixing ratio	1 : 1		1 : 1	
Processing time (min/25 °C)	30 - 50		39	
Curing time (after h)	4 - 5		4 - 5	
Shrinkage (%)	< 0,1		< 0,1	

*Exemplary target/actual values from series production, determined in the course of continuous quality inspections.

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Technical Data Silicone rubber KDSV-10

(Set of two components)

Description

- Hardness Shore A 10±1
- Heat resistant up to max. 200 °C
- Excellent flowability
- Easy Processing
- Very good tear resistance
- **Very soft, for models with strong undercuts**



KDSV-10 is a pourable, condensation curing 2-component silicone rubber with low viscosity.

Processing

No heat of reaction occurs during vulcanization, so that even larger quantities (e.g. 10 kg) can be poured without the risk of overheating.

Mixing ratios from 100 : 2 to 100 : 3 are possible:

Processing time (100 g in a cup at 25 °C):

100 : 2 = approx. 50 minutes

100 : 3 = approx. 30 minutes

Silicone	KDSV-10	Colour	A: White
			Catalyst: Transparent
Characteristics	Target value*		Actual value*
Viscosity (m.Pas)	15000±3000		16956
Hardness Shore A	10±1		10
Tear strength(kN/m)	≥ 12		13
Tensile strength (MPa)	≥ 2,2		3,1
Elongation (%)	≥ 560		620
Mixing ratio	100 : 3		100 : 3
Processing time (min/25 °C)	30 - 50		45
Curing time (after h)	4 - 5		4 - 5
Shrinkage (%)	< 0,3		< 0,3

*Exemplary target/actual values from series production, determined in the course of continuous quality inspections.