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## **Reptech A07**

### **Characteristics**

Reptech A07 is a flowable solvent based RTV-1 silicone rubber, which cures at room temperature. During vulcanisation it splits off an organic amine.

### **Features**

- Ready to use, one component system
- Low viscosity
- High flexible (low-stress-adhesives)
- Primerless adhesion to many substrates

### **Applications**

- Multipurpose sealant and coating material

### **Product Data (Uncured Rubber)**

Colour	Transparent
Density at 23°C	1.02g/cm <sup>3</sup>
Viscosity at 23°C	9000mPa s
Solvent content (toluene)	25%
Shrinkage	30%

These figures are intended as a guide and should not be used in preparing specifications.

### **Product Data (Cured Rubber)**

Colour	Transparent
Density at 23°C	1.08g/cm <sup>3</sup>
Hardness Shore A	20
Elongation at Break	300%
Tensile Strength	1.1N/mm <sup>2</sup>
Tear Resistance	4.0N/mm
Thermal conductivity	0.3W/mK

These figures are intended as a guide and should not be used in preparing specifications.

### **Processing features**

Skin-forming time at 23°C, 50% RH  
Curing time at 23°C, 50% RH

3 min  
12 h/mm

Reptech A07 shows good primerless adhesion to many substrates. We recommend running preliminary tests to optimize conditions for the particular application.

### **Storage stability**

Reptech A07 has a shelf life of at least 6 months if stored in tightly closed original containers between 5°C and 25°C. The “Best use before end” date of each lot is shown on the product label. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application.

### **Safety Instructions**

During vulcanisation of Reptech A07, an organic amine and toluene are split off. These vapours should not be inhaled for long periods or in high concentration. Work areas should therefore be well ventilated. Contact of un-vulcanised silicone rubber with eyes and mucous membranes must be avoided as this would cause irritation. However if it does happen, rinse the affected area thoroughly.

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