

# MAGIKMOLD 28

## Technical Data Sheet

### Product Description

Magikmold 28 is a two-component, room temperature vulcanizing silicone rubber with excellent fidelity of reproduction. It is suitable for making all kinds of molds, no matter how intricate, and for use with all types of reproduction material, whether wax, plaster, concrete, casting resin or low melting metal alloy. It is a general purpose mold making compound which is particularly suitable for the reproduction of models with extensive undercuts.

#### Key Features

- Shore A hardness 24-30
- Excellent tear strength
- High elongation and flexibility

#### Main Application

- Prototype models
- Ornamental moldings and decorative components
- Statues large and small
- Furniture
- Costume jewelry
- Fossils, coins
- Soap and Candle molds

### CHEMICAL AND PHYSICAL CHARACTERISTICS

PROPERTY	METHOD		VALUE
Mix Ratio (Base: Catalyst)			10:1
UNCURED			
Color			WHITE
Specific gravity			1.17-1.26
Viscosity (cps@73°F)	ISO 3219		29,000-35,000
CATALYST			
Viscosity (cps@73°F) (with 10% Blue)	ISO 3219		25,000
Catalyst Blue	Pot Life (@ 72°F)	60-90 min	8-10 hrs
Catalyst Red	Demold Time	40-60 min	5-7 hrs

## CURE CHARACTERISTICS

Cured properties are with 10 wt % Catalyst Blue after 4 days at 23°C / 50% rel. humidity

	METHOD	CURE
Specific gravity	ISO 2781	1.16-1.25
Hardness (shore A)	ISO 867	24-30
Tensile Strength (psi)	ISO 37	600-650
Elongation at break (%)	ISO 37	420-450
Tear Strength (ppi)	ASTM D 624 B	>140
Linear Shrinkage (%)		<0.4

## MIXING AND DE-AERATION

It is essential to measure the components accurately. Mix the base and catalyst thoroughly to ensure the formula is homogenous. To obtain cured rubber without any air, free-flowing mixtures should be deaerated in a vacuum cabinet at reduced pressure (10 to 20 mbar). If mixture is not deaerated, pour it from as great a height as possible. With spreadable mixtures, first apply a thin, bubble free layer using a stiff, short bristled brush.

## SHELF-LIFE AND STORAGE

Magikmold 28 has a shelf life of at least 12 months when stored between 41°F and 86 °F in the originally sealed container. All catalysts have shelf lives of at least 12 months if stored in the sealed original bottles between 41°F and 77°F.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

### Not for Product Specification

The technical data listed herein is provided as a reference only and **is not** intended as sales specifications. For sales and technical assistance or for product recommendations, please call 800.297.4541

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