

# OOMOO® 30

Silicone

Smooth-On, Inc

## Message:

No Vacuuming - No Scale - Easy To Use . . . OOMOO® 25 & 30 are easy to use silicone rubber compounds that feature convenient one-to-one by volume mix ratios (no scale necessary). Both have low viscosities for easy mixing and pouring . . . vacuum degassing is not necessary. Both products cure at room temperature with negligible shrinkage. OOMOO® 30 has a 30-minute pot life, with a six-hour cure time. OOMOO® 25 is a faster version, with a 15-minute pot life and 75 minute cure time.

For The Novice Mold Maker - OOMOO® silicones do not have great tear strength. They are good for making simple one- or two-piece block molds. If you require a high-tear strength silicone, Mold Max® silicones are recommended. More information on Mold Max® silicones is available at [www.smooth-on.com](http://www.smooth-on.com)

OOMOO® 25 & 30 are suitable for a variety of art-related and industrial applications including making one and two-piece block molds for sculpture and prototype reproduction, casting plaster, resins and wax. OOMOO® silicones are also suitable for electrical potting and encapsulation applications.

General Information			
Features	Low Shrinkage		
	Low Viscosity		
Uses	Industrial Applications		
	Modeling Material		
	Prototyping		
Appearance	Purple		
Processing Method	Casting		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D1475
Specific Volume	0.744	cm <sup>3</sup> /g	ASTM D1475
100A:130B by weight			
Mixing Ratio	1A:1B by volume		
Operating Temperature	-54 to 204	°C	
Molding Shrinkage - Flow	0.25	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	30		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1.65	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Tear Strength <sup>1</sup>	7.01	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method

CLTE - Flow	5.2E-4	cm/cm/°C	ASTM E831
Thermal Conductivity	0.053	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Volume Resistivity	> 7.4E+15	ohms·cm	ASTM D257
Dielectric Strength	14	kV/mm	ASTM D149
Dielectric Constant (100 Hz)	3.33		ASTM D150
Dissipation Factor (100 Hz)	0.010		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Pot Life	30	min	ASTM D2471
Thermoset Mix Viscosity	4250	cP	ASTM D2393
Demold Time <sup>2</sup>	360	min	
NOTE			
1.	Die C		
2.	Cure Time		

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