OOMOO® 25

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
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	Light Blue
Processing Method	Casting Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm³	ASTM D1475
Specific Volume	0.744	cm³/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)	25		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1.65	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Tear Strength [1]	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	15	min	ASTM D2471
Thermoset Mix Viscosity	4250	cP	ASTM D2393
Demold Time [2]	75	min	
NOTE			
1.	Die C		
2.	Cure Time		

Recommended distributors for this material

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