



# PRODUCT INFORMATION

HIGH TECHNOLOGY MATERIALS

## MERECO METASIL 5061 SILICONE RTV MASKING COMPOUND

**Mereco Metasil 5061** is a two-component, solventless, addition curing silicone RTV material specifically designed as a masking compound for removal from surfaces after curing. **Metasil 5061** is a thixotropic, medium durometer material with high temperature and chemical resistance, excellent flexibility and low shrinkage.

### TYPICAL PROPERTIES

	Metasil 5061 <u>Resin</u>	Metasil 5061 <u>Activator</u>
Viscosity, cps	Thixotropic Paste	Thixotropic Paste
Sp. Gravity	1.4	1.4
Color	Gray	Gray
Form	Thin Paste	Thin Paste
Mix Ratio wt/vol,	1:1	
Mixed Viscosity, cps	Thixotropic paste	
Working time, 100 gms.	2 ½ hours	
85% Cure time	24 hours	
Cure Time @ 25°C	2 days	
Cure Time @ 65°C	2 hrs.	
Cure Time @ 100°C	30 min.	
Cure Time @ 150°C	15 min.	
Durometer, Shore A	35 +/- 5	
Tensile, psi	725	
Elongation %	325	
Tear B, ppi	50	
Linear Shrinkage, %	0.1%	
Temp. Range	-55°C to +200°C	
Dielectric strength	450 volts/mil	
Dielectric Constant 1 KHz	3.0	
Dissipation Factor 1 Khz	0.004	
Volume resistivity, ohm-cm	7 X 10 <sup>14</sup>	
Thermal conductivity	2.5	
	(Btu · in · hr <sup>-1</sup> · ft <sup>2</sup> · deg F <sup>-1</sup> )	

**Handling Instructions:** Weigh 100 parts of activator to 100 parts resin. Mix for a period of time until mixing is complete. Degas for 5 minutes under a vacuum of 25-29 inches of

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Mercury. Apply material. Cure according to the cure schedule desired. If dual cartridges are used, the material may be directly applied using a static mixer.

**Note:** Certain substances may inhibit the cure of **Metasil 5061** by direct or indirect contact. Metallic salts, butyl, PVC plasticizers, chlorinated rubber, amines and sulfur containing materials may all inhibit the cure.

**Storage and Handling:** Mereco **Metasil 5061** has a shelf-life of six months from date of shipment when stored in original unopened containers at a temperature below 25°C.

### FEATURES/BENEFITS – METASIL 5061

Little increase in modulus at low temperature  
High chemical and temperature resistance  
Heat or room temperature cure capability  
Excellent flexibility, elastomeric properties  
Medium durometer, good dampening  
Low shrinkage, low stress on components  
Good tear strength  
No exotherm  
No inductance change during temp. cycling

METASIL 5061 is available in pint, quart, 2 quart, and 2 gallon kits as well as 50ml, 200ml, and 400 ml dual cartridges.

FORM 1105 REV. 0

Refer to Mereco TAB 3-641 for proper operation of 50cc dual cartridges using a manual dispenser. Pneumatic dispensers are also available. For 200 ml and 400ml dual cartridges pneumatic dispensers are recommended if small quantities of material are to be applied. Contact Mereco if further information is required.