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GT Products Silicone Gels

Product:	<u>5010</u>	<u>5260</u>	<u>5299</u>	<u>5190</u>
Cure type:	addition	addition	addition	addition
Mix ratio (wt./wt.):	1:1	1:1	1:1	10:1
Penetration ¹ :	40	40	40	40
Color:	colorless	colorless	colorless	black
Pour time at 77°F:	15 minutes	45 minutes	45 minutes	45 minutes
90% cure at room temp:	45 min.	6 hours	6 hours	2 hours
Mix , cps:	1000	1000	1000	1200
Specific gravity:	0.97	0.97	0.97	1.0
Product:	<u>5272</u>	<u>5113</u>	<u>5056</u>	
Cure type:	addition	addition	condensation	
Mix ratio (wt./wt.):	1:1	1:1	1:1	
Penetration ¹ :	40	>150	40	
Color:	white	colorless	straw	
Pour time at 77°F:	15 hours	45 minutes	15 hours	
90% cure at room temp:	1-5 days	6 hours	24-48 hours	
Mix , cps:	5000	1000	1000	
Specific Gravity:	0.68	0.97	0.97	

Silicone Gels Continued:

- ¹ GT Products Test Method GT009. A 50 gram cured sample pressed with a $\frac{1}{4}$ inch diameter by $\frac{3}{16}$ inch high foot. Total presser weight is 19.5 grams. The resultant penetration is expressed in tenths of a millimeter. A penetration of 40 is considered standard. These products can readily be formulated for penetrations from 5 (very firm) to 150 (very soft).
- ² This gel cures to a cohesive but very soft and loose mass. It can virtually be “poured”.
- ³ GT Products addition cure gels can be formulated for pour times from under 60 minutes to several days. Longer pour times (in excess of a few hours) will typically require the application of heat to achieve cure.
- ⁴ While all GT Products addition cure gels may be heat accelerated, this gel is designed to be heat cured. Typical cure conditions would be 6 hours at 175°F. Higher temperatures will effect a quicker cure.