



# THE COMPLEAT SCULPTOR

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## TECHNICAL INFORMATION SHEET - GI-245 Special Effect Silicone

A specialty silicone designed for artificial skins, robotics and other related applications.

**GI-245** is a two or three component condensation cure silicone rubber. It has been compounded from a unique blend of materials that produce extremely high elongation, very low durometer which allows maximum flexibility. GI-245 uniqueness also includes a very low bleed out of silicone oil. It is transparent rather than opaque and in thin sections it is nearly translucent. It can be colored by the addition of silicone dispersed pigments.

### Typical Properties

Color, base (GI-245)	Translucent
Color, activator (GI-245, GI-245A-1)	Translucent
Color, softener (GI-245A-2)	Translucent
Base viscosity (cps)	80,000-90,000
Activator viscosity (cps)	300-400
Softener viscosity (cps)	8,000-12,000
Working time (hrs)	1 to 1.5
Cure time (hrs)	18 to 24
Specific gravity, cured	1.05
Shrinkage (%)	0.1
Shelf Life	3 months

### Ratios with related properties

GI-245B	100	100	100
GI-245A	10	-----	-----
GI-245A-1	-----	10	10
GI-245A-2	-----	20	40
Hardness			
Shore "00"	25	10	0
Penetration	0	2	15
Tear Strength, ppi	60	40	15
Tensile Strength, psi	230	150	85
Elongation, %	800	800	850

Technical Support (212) 367-7561  
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