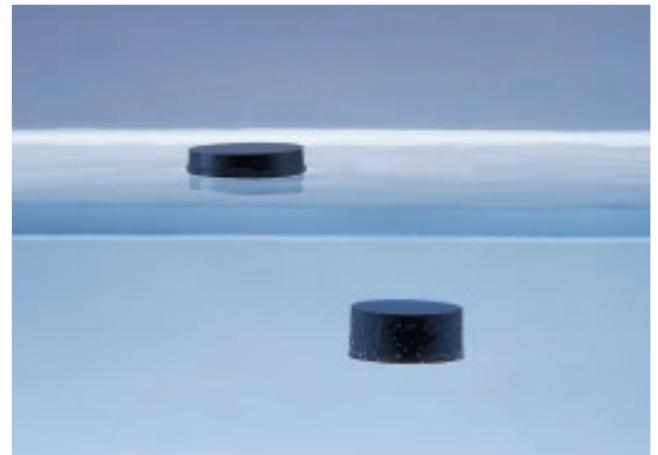


Low Density LIMS Material KE-2034-1-A/B

KE-2034-1-A/B was developed for injection molding (LIMS).
With this LIMS product, low density silicone rubbers of 0.80 g/cm³ can be molded.

Features

- The density is less than that of water, so the molded product floats in water.
- Compared to conventional silicone LIMS materials, the density of molded products is lower, and the weight of molded products can be reduced by about 20%.
- Because the material expands in the mold, the injection volume is about 60 to 80% of the cavity volume. Runnerless molding is recommended.
- The material density may vary depending on the curing conditions.
Example: Curing conditions at 150°C × 20 seconds: density 0.82 g/cm³
Curing conditions at 120°C × 100 seconds: density 0.75 g/cm³



Molded low density silicone rubber floating in water

Application Examples

- All applications requiring lighter weight, such as transportation equipment and wearable equipment

VR goggle form



Smartwatch band



Wire seal of the wiring harness



Connector seal of the wiring harness



General properties

Parameter	Product name	KE-2034-1-A/B	
Appearance		A / B : White	
Viscosity 0.9s-1	Pa·s	A : 474 / B : 479	
Curability MDR130°C	T ₁₀	25	
	T ₉₀	65	
Curing conditions (injection molding)		130°C×50s	150°C×1h Post cure
Density	g/cm ³	0.78	0.80
Hardness Durometer A		32	40
Tensile strength	MPa	2.3	3.1
Elongation at break	%	510	470
Tear strength crescent piece	kN/m	11	9
Compression set 22 h×150°C	%	41	19
Coefficient of linear contraction	%	0.2	1.9

(Not specified values)