

TECHNICAL INFORMATION



* Low Density Silicone RTV (HR-PS-80)

HR-PS-80 is two-component type of liquid silicone RTV developed by HRS CO., LTD.

Excellent fireproof and showing a great ventilation capability.

It has been certified as a qualified material for nuclear power plants by Korea Hydro & Nuclear Power Co., Ltd.

• FEATURES

- After part A and Part B are stirred for 5 minutes respectively and mixed at the mixing ratio of 1:1 in terms of weight or volume for 1 minute, it would take 24 hours to be completely cured (snap time: about 3 minutes). There might be a slight difference depending on temperature.
- Sealing material for opening of fire barriers or penetration parts.

PROPERTIES

Typical Properties		Part A	Part B
Before curing	Main components	Silicone	Silicone
	Viscosity(23℃)	45~90Poise	45~90Poise
	Color	Black	Whitish
	Specific Gravity(23℃)	1.05~1.10	1.05~1.10
	Mixing Ratio	1 : 1	
	Working time after mixing	2~5 minutes	
	Time for complete cure	24 hours	
	Storage Temperature Range	32℃ Max.	
After curing	Color	Black	
	Expansion	200~300%	
	Density	14~28 lb/ft ³	
	Cell structure	Closed Cell	
	Service Temperature Range	-70℃~200℃	
	Oxygen Index	>28	
	Toxicity	None	
	Fire resistance	T/F Class(FS 012, KSF 2842, UL-1479, ASTM E-814)	
	Radiation resistance	1×10 ⁸ Rad(ASTM E-1027)	
	Ventilation Seal	No leakage with 5" of water pressure head	
	Flame Spread Index (ASTM E-84)	25 or less	
	Asbestos Free	Yes	
Halogen Free	Yes		