

# TECHNICAL INFORMATION



## \* Medium Density Silicone RTV (HR-PS-120)

HR-PS-120 is two-component type of liquid silicone RTV developed by HRS CO., LTD. Excellent fire-sealing, flood-sealing, ventilation-sealing, and compartment pressurization-sealing. 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 3 to 5 minute, it would take 24 hours to be completely cured (snap time: about 40 to 60 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
	Color	Gray	Whitish
	Specific Gravity(23℃)	≥1.31	≥1.31
	Mixing Ratio	1 : 1	
	Working time after mixing	30 minutes	
	Time for complete cure	24 hours	
	Storage Temperature Range	32℃ Max.	
After curing	Color	Gray	
	Density	≥82 lb/ft <sup>3</sup>	
	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 <sup>8</sup> Rad(ASTM E-1027)	
	Flood Seal	≤0.01Gallon/Mim.@15psi	
	Compartment Pressurization	≤0.001CFM/ft/psi@Steam pressure difference 8psi	
	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		