



FlexSEAL FS10010[®]

Silicone Sealant
and Adhesive



Description

FlexSEAL FS10010[®] is a silicone type adhesive which cures after absorbing moisture in the air, at room temperature, with no need for heat curing. It has good adhesive sealing performance and outstanding protection in harsh operational conditions.



Post-Cure Characteristics

- Protects against moisture, dirt and other atmospheric composition
- Relief for thermal shock and mechanical stress caused by vibration
- Excellent electrical insulation performance
- Outdoor aging, excellent service life up to 20-30 years
- Within the -60-260 °C temperature range it has stable mechanical and electrical properties
- Fire resistant

Technical Properties

	Test Item	Testing Standart	Unit	Value
Before Curing	Color	-	-	White
	Viscosity	GB/T 10247-2008	mPa-s	Paste
	Density	GB/T 13354-92	g/cm3	1.40-1.50
	Tack Free Time	GB/T 13477.5-2002	Minutes	3 to 8
After Curing	Hardness	GB/T 531. 1-2008	Shore A	50-60
	Thermal Coefficient	GB/T 10297-1998	W/ mk	0.2
	Expansion Coefficient	GB/T 20673-2006	$\mu/(m, ^\circ C)$	210
	Water Absorption	GB/T 8810-2005	%	0.01 to 0.02
	Flame Class	UL-94		V0
	Elongation at Break	GB/T 528-1998	%	>150
	Tensile Strenght	GB 6328-86	Mpa	>0.6
	Shear Strength	GB/T 1693-2007	Mpa	>1.6
	Dielectric strength	GB/T 1693-2007	kV/mm	>20
	Loss Factor	GB/T 1693-2007	1 MHz	0.001
	Permittivity	GB/T 1692-92	DC500V Ω cm	5.00E + 14

Remark: All the above data come from 25°C and 55% RH glue curing conditions after 7 days



Operation Process

1. Clean surface: Surface must be cleaned, remove rust, dust and oil, etc
2. Using: Twist the hose blocks, will glue crowded to clean surface has to clean up, the uniform distribution (for sealing rubber hoses, use first blocks cutting-edge pierced the sealing). For bonding, will be sticky face fixed can fold.
3. Curing: Curing at room temperature, 24 hours later and then put into use.



Packaging

- 10MI And 30MI Syringes
- 300ml Cartridges



Storage and Transportation

- Avoid light, heat preservation, sealed. (can be used as a non-dangerous goods preservation and transport);
- Shelf life: 12 months