

V-SI 100 HT

one-component oxime silicone sealant

Page 1/1
Date Revision: 03/2022

TECHNICAL DATA

Properties	Unit	Test Method	Condition	Value
Appearance	-	-	-	Non sag paste
Color	-	-	-	BLACK / WHITE
Tack-free Time	(min)	ASTM C679	T=23±2°C, RH=50±5%	5-15
Density	(gr/cm ³)	ASTM D1475	T= 25 °C	1.3±0.05
Extrusion Rate Black	(gr/min)	ASTM C1183	T= 25 °C	10-20
Extrusion Rate White	(gr/min)	ASTM C1183	T= 25 °C	15-25
Curing rate	(mm/day)	ASTM D2202	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥2
Hardness Black	(Shore A)	ASTM D2240	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥ 40
Hardness White	(Shore A)	ASTM D2240	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥ 35
Tensile Strength	(N/mm ²)	ASTM D412	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥1.5
Elongation at Break	(%)	ASTM D412	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥300
Modulus at 100%	(N/mm ²)	ASTM D412	Cured for 7 days@ 23±2 °C / 50±5 % RH	≥0.6
Shear Strength Aluminum (0.5 mm gap)	(N/mm ²)	ASTM D1002	Cured for 14 days @ 23±2 °C / 50±5 % RH and 0.5 mm gap	≥1
Temperature Resistance	(°C)	-	-	150

PRODUCT DESCRIPTION

V-SI 100 is a one-component oxime silicone sealant with high thermal resistance which is categorized as moisture cure products. It can be used for a range of professional sealing and gap filling applications. It offers strong adhesion to variety of substrates such as glass, tile, aluminum, metal concrete, etc.

APPLICATIONS

Automotive
Car glass sealant
Sealing/ bonding of oven doors, hoods and panels.
Bonding in the refrigeration industry
Oven and stove manufacturing

ADVANTAGES

V-SI 100 is a solvent-free sealant that bonds well to a variety of surfaces. This product offers high resistance toward temperature, pressure and chemical agents which makes it a perfect choice for industrial purposes. Moreover, this product is considered a neutral sealant that can be applied on metallic substrates.

PACKAGING

Cartridge, Sausage

DIRECTIONS FOR USE

Remove dirt, grease and old sealant. Cut off the cartridge tube tip, screw on the nozzle and cut off the tip of the nozzle at the desired bead size. Load sealant cartridge into a caulking gun. In bonding applications, remove extra amount of adhesive with a spatula and smooth the caulk using a caulk smoother or a piece of damp cloth

STORAGE AND SHELF-LIFE

stored in an unopened cartridge in a dry location and room temperature. Optimal Storage: +8°C and +21°C. Storage below +8°C or greater than +21°C can adversely affect product properties