WEARPAK 756

Technical Datasheet

Material Properties

Wearpak 756-Part No. 99.0029
High-Temperature Red Silicone

A one-part, high-modulus, industrial RTV Silicone Sealant/Adhesive and Gasketing. Will remain flexible from –60 °C (-75 °F) to +260 °C (+500 °F) continuous operation to 315 °C (600 °F) for short periods. Wearpak 756 Hi-Temperature Silicone will remain permanently flexible and provides excellent resistance to aging, vibration and shock.

Uses:

Automotive:

Valve Covers

Water and oil pump seals

Bearing cap seals

Fuel pumps to blocks

Industrial:

Ceramic Tile

Pump and compressor gaskets
Appliance door gaskets

Ductwork gaskets

Wire and cable installation

Packaging:

10.2 fl. oz. Caulking Cartridges

(24) Cartridges per box

Storage:

When stored in original unopened container at or below 32 °C (90 °F) has a shelf life of 12 months from date of shipment.

Directions:

Wearpak 756 High-Temperature Silicone is ready-to-use and requires no mixing or additives. The cure mechanism begins as soon as the sealant comes in contact with the air. At conditions of 25 °C (77 °F) and 50% relative humidity, the sealant will “skin” in 10 minutes within 24 hours (1/4" bead), ultimate cure 7 days.

Higher humidity accelerates cure. Tooling, if necessary, should be done before “skinning” takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement.

Surface Preparation:

All surfaces should be clean and dry. It is recommended that bonding surfaces be solvent wiped with napthas, ketones or chlorinated solvents. Specific solvents would include xylol, toluol, and mineral spirits. In case of plastics, determine suitability of solvent prior to use. Allow surface to dry thoroughly before applying sealant. Do not solvent wipe with alcohols or oil-containing solvents such as Varsol.

Safety Precautions:

Wearpak 756 Hi-Temperature Silicone releases small amounts of acetic acid during cure. After cure, acetic acid odor disappears. Adequate ventilation should be provided with extensive use of this sealant. On direct contact, uncured sealant will irritate eyes. Flush eyes well with water and call a physician. Avoid prolonged contact with skin.

Typical Properties

Uncured	
Type	One part, high-modulus, industrial RTV Silicone
Appearance	Smooth, non-slump red paste
Specific Gravity	1.18
Extrusion Rate	250g/min (1/8" bead 90 psi)
Application Temperature Range	-18 to +50 °C (0 to 120 °F)
Cure Method	Acetoxy, moisture cure
Cure Time	10 minutes
Slump/Sag	Nil

Cured	
[at 25 °C (77 °F) and 50% R.H. for 7 days (1/4" bead)]	
Durometer Hardness (Shore A) (ASTM D 2240)	.33
Tensile Strength (ASTM D 412)	350 psi
Elongation at Break (ASTM D 412)	400%
Tear Resistance (ASTM D 624, Die B)	50 psi (2,7 kN/m)
Temperature Range After Cure Short Periods	-60° to 315° C (-75 to 600 °F)
Temperature Range After Cure Continuous Operation	-60° to 315° C (-75 to 500 °F)
Shrink Factor	Nil

Information on this tech-sheet is subject to change without notice and it is therefore recommended that this information not be used for spec writing. For additional information on specific applications, contact manufacturer.