

# OCI BHD

( Formerly Known as Orgavyl Chemical Ind. Bhd.)

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## TECHNICAL DATA

## OCI/ORGAFIX ALPHA GREY RTV ( Silicone Gasket Maker )

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### CHARACTERISTICS :

- OCI / Orgafix Alpha Grey RTV is a non-slumping, one component, neutral-curing rubber paste that cures to a permanently flexible silicone rubber on exposure to atmospheric moisture at room temperature.
- OCI / Orgafix Alpha Grey RTV is low odour, non-corrosive and sensor-safe. It is permanently flexible and stable at temperature from -62°C to 343°C. It is also highly resistant to oil, water, weather, vibration and grease.
- It features excellent oil resistance and is able to accommodate joint movement thus guaranteed no to leak. OCI / Orgafix Alpha Grey is specially formulated for high torque applications which require a unique RTV gasket.
- OCI / Orgafix Alpha Grey RTV adheres to glass, metal, wood, painted surfaces, silicone rubber and plastic. Since the composition of the substrates can vary greatly, adhesion tests for the specific cases are advisable.

### PHYSICAL DATA :

#### Unvulcanized Rubber

Specific Gravity (DIN 53479)	1.04
Skin Over Time	15 mins (max)
Tack-Free Time	30 mins (max)
Extrusion Rate	200 g/mins (min)
Flow	0.2 in (max)

#### Vulcanized Rubber

measured after curing for 7 days at 23 °C in 50% RH

Tensile strength	175 psi (min)
Elongation	300% (min)
Hardness Shore A	25

## **APPLICATION**

- OCI / Orgafix Alpha Grey is a ready to use, solvent free silicone sealant which is primarily designed for general purpose sealing and bonding applications.
- The consistency of the uncured material allows a high application rate and makes it a good choice not only for dispensing from a caulking gun but also for automatic dispensing.
- It may be applied to both horizontal and vertical surfaces .
- The silicone rubber formed from OCI / Orgafix Alpha Grey RTV retains elastomeric properties for long periods at temperatures up to 343 °C .
- Alpha Grey RTV is well suited as Formed-in-Place-Gasket (FIPG) material for flange sealing, for example on transmissions, compressors and pumps.
- Alpha Grey RTV may also be used for :
  - Assembling valve and timing cover, crankcase, radiator, thermostat
  - Bonding gaskets in heating and cooling systems appliances.
  - Sealing connecting joints, flanged pipe joints.
  - Repairing cables.

## **SURFACE PREPARATION :**

- Ensure all surfaces that will be in contact with the sealant must be clean, dry, free of dust, dirt, rust, oil and other contaminants.
- Nonporous substrates should be clean with solvent and wipe dry immediately with cloth before the solvent evaporates from the surface. Porous surfaces should be roughened with a stiff-bristled brush rubbed down or sandblasted.
- Remove the cap and punch a hole on the tube with the cap's sharp edge. Cut off tip nozzle and screw on nozzle to tube.
- Apply on surface in steady flow by hand pressing.
- If required, smooth and shape sealant with spatula dipped in mild detergent.

- To remove excess uncured sealant with a mineral turpentine soaked cloth. Fully cured excess sealant can be removed by trimming with a sharp knife.
- Content fully cures in 48 hours.

**FOR BEST RESULTS :**

- To obtain a smooth and neat finish, apply masking tape and remove before sealant cures.
- Paint surfaces completely before applying sealant.

**SAFETY PRECAUTION :**

- Ensure good ventilation if used indoors.
- Contact of unvulcanised silicone sealant with eyes and mucuous membranes must be avoided as this will cause irritation.
- Prolonged contact with eyes, flush with water and consult physician.
- Keep out of reach of children.

**STORAGE :**

- Store in dry and cool place below +30 °C.
- Use within 12 months from the date of purchase.

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