

# Technical Data Sheet



## OCI® N-192 HIGH PERFORMANCE SEALANT

### Physical Data :

#### Unvulcanized Rubber

Specific Gravity at 25 °C	:	1.03 g/cm <sup>3</sup> +/- 0.02 g/cm <sup>3</sup>
Consistency	:	Non-sag
Tack Free Time	:	< 1 hour
Skin forming time ( at 27 °C / 70% r.h)	:	10 - 12 mins
Extrudibility	:	5 Seconds

#### Vulcanized Rubber

Specific Gravity ( 20 °C)	:	1.03
Max Tensile Stress (JIS A 5758)	:	8.5 kg/cm <sup>2</sup> or 0.83MPa
50% Modulus ( ISO 34,rodS2)	:	4.0 kgf/cm <sup>2</sup> or 0.39MPa
Elongation under max. Load	:	170%
Elongation at breakpoint	:	170%
Cohesive Failure	:	100%
Tensile Strength (Jis K6301)	:	15 kgf/cm <sup>2</sup> or 0.19MPa
Elongation (%) (Jis K6301)	:	390
Hardness Shore (JIS K6301)	:	A 20 - 28
Tear Strength (ISO 34, method C)	:	3.0 N/mm
Application Temperature Range	:	-37°C to +60°C
Temperature resistance	:	-62°C to +250°C

*Typical property data values should not used as specifications.*

### Characteristics :

- OCI® N-192 sealant is a high performance sealant for general purposed use with outstanding adhesive strength.
- Ready to use, solvent-free, long shelf life, non-sag, medium modulus with neutralcuring and low shrinkage during vulcanization.
- OCI® N-192 silicone sealant is primer less adhesion to most materials and it is also noncorrosive to metals.

### Application :

OCI® N-192 series neutral cure multipurpose silicone sealants are suitable for use in :

- weather sealing
- industrial application
- all metals and masonry building materials as guttering roofing, metals tank construction
- DIY application
- wall cladding
- automobile
- electrical and electronic industrial
- shipbuilding sealing
- bonding and repairing

OCI® N-192 series silicone sealants exhibits an excellent adhesion to :

- glass tiles
- ceramics
- aluminium
- steel zinc
- lead
- coppers
- brass
- painted surfaces
- plastics
- non-oily woods

# Technical Data Sheet



## OCI® N-192 HIGH PERFORMANCE SEALANT

### 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 roughen with a stiff-bristled brush, rubbed down or sandblasted.
- Cut off tip nozzle and cartridge. Screw on nozzle to cartridge.
- Fit into caulking gun, apply on surface in steady flow.
- 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.
- Before processing, observe the 'restriction on use' instructions in our product safety data sheets.

### Storage :

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

### 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.
- Additional information is contained in our material safety data sheets available on request.
- Maximum recommended pressure for air operated guns with caulking cartridges is 45 psi (3.2kgs/cm<sup>3</sup>).

### Other Information :

Every endeavor has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for loss or damage that may result from the use of the information, due to the possibility of variation of processing or working conditions and of workmanship outside our control. User are advised to confirm suitability of this product by their own tests.