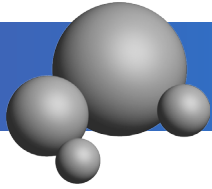


ND MASTIC

Crushable Mastic Sealer



DESCRIPTION:

ND Crushable Mastic Sealer is an extruded product that is specially formulated for fastening and sealing operations that require holes and gaps to be filled and sealed. An extruded product, Crushable Mastic Sealer can be formed in a variety of shapes, sizes, and dimensions, and can be applied to your parts by ND Industries.

HOW CRUSHABLE MASTIC SEALER WORKS:

ND Crushable Mastic Sealer is most often used in one of two ways. The most common use is a Mastic Seal that is preassembled directly to the fastener, Crushable Mastic Sealer's crushable properties enable it to evenly fill and seal holes, gaps, and other voids. Bolts, nuts, stampings, or virtually any other item that would benefit from a seal is a candidate for Crushable Mastic Sealer. Using resources specifically designed for this product, ND Industries is capable of bonding Crushable Mastic Sealer to a variety of substrates.

The second most common use is as a loose seal. ND forms the material to specifications and the end user or assembler places the seal on the gap, prior to torquing the fastener into place.

APPLICATIONS:

Gap Filling & Sealing — Crushable Mastic Sealer is generally used in applications where a considerable clearance has been designed into a part, thus leaving voids, gaps, and spaces which can be penetrated by gases, water, dust, and other substances. Crushable Mastic Sealer eliminates these problems by filling the balance of the hole with a material that prevents the passage of these contaminants.

FEATURES:

Meets Automotive Specifications — Crushable Mastic Sealer meets specifications for domestic automakers.

Crushable to Provide Complete Fill & Seal — Unlike plastic, rubber, and other "washer" materials which often fail to seal completely when torqued into place, Crushable Mastic Sealer is crushable and consistently provides reliable gap filling and sealing.



FEATURES CONTINUED:

Resistant to Heat — Unlike many other automotive sealers, Crushable Mastic Sealer can be exposed to temperatures of up to 400° F without losing its sealing qualities.

Does Not Stain — Crushable Mastic Sealer will not stain metal, fabric, or other surfaces.

Particular formulations of the Crushable Mastic Sealer meet or exceed the performance requirements of the following specifications and or standards:

AUTOMOTIVE:

- Chrysler: MSCD-69, MSCD-64
- Ford: ESB-M4G87-A
ESS-M11P24-A1 & A2, WSS-M11P45-A1, WX-200
- General Motors: GM 1131M Type A or B

For a complete list contact ND Industries.

FEATURES CONTINUED:

Long Shelf Life — Crushable Mastic Sealer is stable, with a long shelf life.

No Application Tooling Required — Crushable Mastic Sealer requires no special tools for application by the end user.

Custom Formulations — ND can specially formulate Crushable Mastic Sealer to meet customer specifications (e.g. - penetrometers, tolerances, etc.). ND will work with you to produce extremely low tolerances - lower than any other crushable mastic supplier.

Versatile — Crushable Mastic Sealer can be extruded in a wide range of diameters and lengths.

Process Friendly Timesaver — Crushable Mastic Sealer is easy to incorporate into high-volume production functions and can be applied with a minimum of time and effort.

Simple To Use — Crushable Mastic Sealer requires minimal employee training for efficient use.

Economical — Crushable Mastic Sealer costs less than silicone and provides high-quality gap filling and sealing, even in high temperature applications.

ND Formulation	Color	Compare to
NDM97	Grey	L&L Products - L1030 Forest City Technologies - FC-XE-16 Chemseco - 3002
NDEM223	White	L&L Products - L1041

ND Mastic is a product of ND Industries, Inc., U.S.A.



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