



**Description:**

ND 510 is an injection moldable, elastomeric based expandable sealant that is supplied in a non-tacky form. The material is formulated to expand and cure when exposed to typical automotive paint or primer bake conditions. The material has good adhesion to a variety of bare metal, e-coated metal, and nylon substrates which allows it to have good sealing characteristics. ND 510 is approved to FCA MS-CD466 Type E specification for high/low bake heat expandable sealants.

**Typical Properties:**

- Color: Blue (Grey available in sheet form)
- Specific Gravity: 1.35
- Non-Volatile Content: 99 % minimum
- Flash Point > 221°C (430°F)
- Water Absorption: 3% maximum
- Shelf life: 12 Month
- Shear Adhesion (Initial): 1035kPa (150psi) minimum
- Shear Adhesion (Environmental): 795kPa (115psi) minimum
- Volumetric Expansion: 150% minimum  
(Expansion amount will vary based on cure temperature and time)

**Application:**

ND 510 is ideal for injection, insert, or two-shot molding processes in which the sealant can be directly molded onto nylon substrates. ND 510 can be supplied as free flowing pellets, sheet stock, and custom die shapes to meet the specific needs of the application. Recommended processing temperatures for injection molding are 80°C to 100°C.

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.