



## ND 700 Technical Data Sheet

### Description:

**ND 700** is an injection moldable, elastomeric-based expandable sealant that is fuel resistant and supplied in a pellet form. The material is formulated to expand and cure when exposed to typical automotive paint or primer bake conditions, providing good adhesion and sealing characteristics to a variety of metal, e-coated metal, and nylon substrates.

### Typical Properties:

- Color: Black
- Specific Gravity: 1.25 g/cm<sup>3</sup>
- Non-Volatile Content: 98 % minimum
- Flash Point > 430 ° F
- Compressive Deflection: 14 psi
- Volumetric Expansion: 300 % minimum
- Water Absorption: < 3 %
- Needle Penetrometer: 0.9 mm
- Shear Adhesion (Initial): > 70 psi
- Shear Adhesion (Environmental): > 50 psi
- Shelf life: 6 Month
- Fuel Resistant: Gasoline
- E-Coat Compatible: PPG ED-5100

### Recommended Cure Temperatures:

- 250 ° F – 325 ° F

### Application:

**ND 700** is ideal for injection, insert, or two-shot molding processes in which the sealant can be directly molded onto nylon substrates. **ND 700** can be supplied in free flowing pellet, sheet stock, and custom die cut shapes to meet the specific needs of the application. Recommended processing temperatures for molding are 180 ° F – 210 ° F.