



ND EM223 Technical Data Sheet

Description:

ND EM223 is a soft heat expandable sealant. 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. **ND EM223** meets Chrysler MSCD-64

Typical Properties:

- Color: Tan
- Specific Gravity: 1.415 g/cm³
- Non-Volatile Content: 99 % minimum
- Flash Point > 430 °F
- Volumetric Expansion: 100 % minimum
- Water Absorption: < 3
- Hardness-Shore A 30
- Needle Penetrometer: 3.8 mm
- Shear Adhesion (Initial): 30 psi
- Shear Adhesion (Environmental): 22 psi
- Shelf life: 6 Month

Recommended Cure Temperatures:

- 250 - 325 ° F

Application:

ND EM223 is ideal for heat expandable processes in which the sealant can be used to seal against moisture, dust, and prevention of bolt torque loss. **ND EM223** can be supplied in washer form to meet the specific needs of the application. Recommended processing temperatures for molding are 180 - 210°F.