

FILL FLUID SPECIFICATIONS – NEOBEE M20

Temperature Limits:

At Atm Pressure: -15 to 225°C (5 to 437°F)

Viscosity at 25°C(77°F): 9.8 cs

Specific Gravity @ 25°C(77°F): 0.94

Coefficient of Thermal Expansion: 0.001008 cc/cc/C (0.00056 cc/cc/F)

Chemical Composition:

Derived from coconut oil and propylene glycol:
Dicaprylate/Dicaprate

CAS Number:

68583-51-7

Description/ Applications: Neobee M-20 is the most commonly used fill fluid for sanitary applications because of its low viscosity and thermal stability. It is a polyol diester of short chain naturally derived fatty acids (coconut oils). Neobee is approved under 21CFR 172.856 as a direct food additive and under 21CFR 174.5 as an indirect food additive. It is soluble in alcohol containing up to 20% water, has a smooth non-oily feel and unusually low viscosity, similar to DC200. Neobee properties make it a good all purpose fill fluid. On colder applications the response time should be evaluated due to increased viscosity. Neobee M-5 is also available as an ‘M’ number. It offers lower vapor pressure and improved thermal stability. However, viscosity more than doubles compared to M-20.

NEOBEE M-20 VAPOR PRESSURE RESULTS

