



CLARION® CLARIPAC™ OILS

Date 1/09

DESCRIPTION: Clarion ClariPac Oils are refined by high pressure hydrotreating of select feed stocks to produce technical grade white mineral oils of the highest quality, and are stabilized with Vitamin E.

QUALITIES: Clarion ClariPac Oils exceed the requirements of U.S. FDA regulation 21 CFR 178.3620 (b), for use as a component of non-food articles in contact with food for human consumption, and are registered as H1 lubricants for incidental food contact by NSF, for use in food plants under the jurisdiction of the USDA.

APPLICATIONS: Clarion ClariPac Oils are used as lubricants for drawing, stamping, forming and rolling of aluminum foil used in food packaging, as defoamers in the manufacture of paper and adhesives intended for food packaging, and as a lubricant for textile fibers/fabric use to process food.

These oils can be used as plasticizers for rubber used on conveyor belts, hoses, rollers, and as a lubricant cleaner and rust preventive for machinery and other equipment in food processing plants.

These oils can also be used as a base oil for the formulation of gel candles.

TYPICAL PROPERTIES:

CLARION® CLARIPAC™ OILS

ISO Grade	70	90
Material Code	633531009	633532009
Gravity, ASTM D 4052, °API	34.2	33.4
Density, lbs/gallon	7.11	7.14
Flash Point, ASTM D 92, °C (°F)	188 (370)	190 (374)
Pour Point, ASTM D 97, °C (°F)	-33 (-27)	-27 (-17)
Viscosity, cSt at 40°C	12.6	16.0
cSt at 100°C	3.0	3.47
SUS at 100°F	72	87
SUS at 210°F	36.4	38
Color, Saybolt, ASTM D 156	+20	+20
FDA 21 CFR 178.3620 (b)	✓	✓
NSF	H1	H1

Note: All Claripac oils are colorless (Saybolt +20 Color), odorless and tasteless and surpass requirements of FDA for Technical Grade White Mineral Oil (21 CFR 178.3620[b]).