



DAPHNE BRIGHT QUENCH

1. Application

Daphne Bright Quench is recommended for use as following :

1. Cold quenching in atmosphere furnace.
2. Press quenching.
3. Vacuum oil quenching.
4. “Ni-Temper” of “Triniding”

Daphne Bright Quench is suitable in quenching :

1. Bearing, small fuel injection pump.
2. Bolt, nail, sheet spring needed plating.
3. Drive shaft and differential pinion gear for automobile.

2. Characteristic

1. Assures bright finish maintaining for a long time.
2. Special agents inhibit sludge formation and oxidation to extend service life.
3. Reduces vapor blanket in the initial cooling stage.
4. Maintains a suitable cooling curves.

Notes :

1. In general, Daphne Bright Quench is recommended for oil bath temperature up to 100 °C.
2. Water contamination should be controlled under 200 ppm.

3. Typical Specification

				<u>ASTM Method</u>
Density	@15 °C	g/cm ³	0.8695	D-1298
Flash Point	C.O.C.	°C	182	D-92
	C.O.C.	°F	399	D-92
Viscosity	@ 40 °C	mm ² /s	29.55	D-445
	@ 100 °C	mm ² /s	5.443	D-445
Viscosity Index			121	D-2270
Total Acid Number		mgKOH/g	1.94	D-974
Carbon Residue		wt%	0.12	D-189
Sulfur		wt%	0.12	D-129
Severity of Quench		Hcm ⁻¹	0.130	-