



Idemitsu Apollo (Thailand) Co., Ltd.

บริษัท อี데미ตสึ อพอลโล (ประเทศไทย) จำกัด

Chonburi office : 700/623 Moo 4, Amata City Chonburi Industrial Estate, Bankao, Panthong, Chonburi 20160, Thailand Tel: +66 38 456 900

สำนักงานชลบุรี : 700/623 หมู่ 4 นิคมอุตสาหกรรมอมตะซิตี้ชลบุรี ต.บ้านเก่า อ.พานทอง จ.ชลบุรี 20160 โทร +66 38 456 900

Rayong office : 7/467 Moo 6, Amata City Rayong Industrial Estate, Mabyangporn, Pluakdaeng, Rayong 21140, Thailand Tel: +66 38 018 333

สำนักงานระยอง : 7/467 หมู่ 6 นิคมอุตสาหกรรมอมตะซิตี้ระยอง ต.มาบยางพร อ.ปลวกแดง จ.ระยอง 21140 โทร +66 38 018 333

DAPHNE BRIGHT QUENCH M

High Performance Heat Treating Oil

1. Application

Daphne Bright Quench M is recommended for use is:

1. Cold quenching in atmosphere furnace.
2. Press quenching.
3. Vacuum oil quenching.
4. "Ni-Temper" of "Nitrating"

Daphne Bright Quench M 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. Characteristics

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 suitable cooling curves.

Notes:

1. In general, Daphne Bright Quench M 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	0.8626	D-1298
Color	ASTM		L 0.5	D-1500
Flash Point	C.O.C.	°C	190	D-92
Viscosity	@ 40 °C	cSt	18.36	D-445
	@ 100 °C	cSt	3.942	
Viscosity Index			110	D-2270
Acid Number		mgKOH/g	1.31	D-664
Carbon Residue		wt%	0.01	D-189
Sulfur		wt%	0.01	D-129
Severity of Quench		Hcm ⁻¹	0.142	-

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provide in the Safety Data Sheet (SDS) are followed.
- SDS is available upon request through your sales contract office, or E-Mail : order@apollothai.com
- Due to continual product research and development, the information contained herein is subject to change without notification.