



DAPHNE PLASTIC QUENCH RP

1. Application

Daphne Plastic Quench RP is a water-soluble quenching oil, used for induction hardening.

2. Characteristic

1. Superior crack ability prevention because of its relatively small quenching speed below 250 °C.
2. Superior anti-bacteria property shows less deterioration especially at summer period.

3. Typical Specification

Soluble Concentration			Undiluted Solution	5%	10%	15%	20%
Density	@ 15 °C	g/cm ³	1.0697	1.0035	1.0070	1.0105	1.0139
Viscosity	@ 40 °C	mm ² /s	132.5	1.140	1.812	2.714	3.895
Refractive Index	N _D ²⁰		1.4048	1.3366	1.3402	1.3440	1.3477
pH			9.7	9.3	9.4	9.4	9.5

4. Properly Using

1. Optimum temperature is 30-45°C. If heat up over 65°C, polymer component will be separated.
2. Selection of Soluble concentration according to quenching speed and uses hand-refractrometer to measure concentration.
3. Incase of using at high concentration, polymer compounds possible adhere on surface of material, it should be washed by hot water.