idemitsu

Technical Data Sheet

Daphne Plastic Quench HF

High Performance Polymer Quenchant

Description and Application

Daphne Plastic Quench HF is a low viscosity and high performance polymer quenchant. It can be used for induction hardening and other hardening process.

Daphne Plastic Quench HF can eliminate formation of sticky residue and reduce consumption due to its low viscosity. It also can extend sump life due to bio-resistance, contributing to operational cost saving.

Features and Benefits

- **Excellent Cooling Performance:** Provides a consistent and controlled cooling performance over a long service life.
- **Less Residue:** Can reduce sticky residue in the parts and keep working field clean.
- **Less Consumption:** Can reduce consumption due to low viscosity. It contributes for saving on operational costs.
- **Excellent Bio-Resistance:** Excellent bio-resistance resulting in less waste and down time.

Typical Test Data (Concentrated)

Test Items	Units	Typical Value
pH	-	10.3
Kinematic Viscosity @40˚C	mm^2/s	21.81

Health and Safety

Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. To request the SDS, please email ila.sds@idemitsu.com

Idemitsu is ISO Certified

ISO 90001

ISO 14001

IATF 16949

Typical Test Data properties are provided as reference and may vary slightly. They do not constitute a specification.

Product formulations and information contained herein are subject to change without notification.

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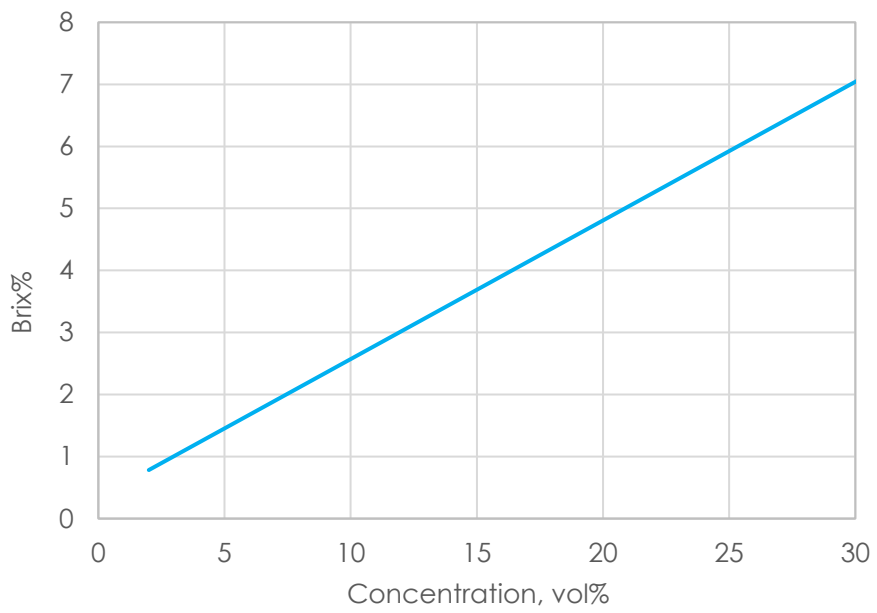
Refractometer Conversion Chart



Test Items	Concentrated	5vol%	10vol%	20vol%	30vol%
Refractive Index @20˚C	1.3682	1.3348	1.3365	1.3400	1.3438
Brix%	22.59	1.25	2.45	4.87	7.40

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