TECHNICAL DATA SHEET

Setaqua 6407

A water-soluble polyester resin [46-6407]

General description:

Setaqua 6407 is a water-soluble polyester resin for waterborne OEM basecoat applications. Setaqua 6407 provides good pigment wetting properties and improves film formation and flow.

Technical features:

1. Good stabilization of aluminum pigments
2. Good pigment wetting
3. Improves film formation and flow

Suggested uses:

1. Metallic and solid color water borne basecoats for the automotive OEM market
2. Waterborne basecoats in wet-on-wet systems for car refinishing

Delivery form: 26% n.v. in demineralized water/ butyl cellosolve (88/ 12 pbw)

Specifications:

Property	Value	Units	Method *
Non-volatile, by weight.	26 ± 1	%	1 – 1
Viscosity, Clearbase (77°F, $100s^{-1}$):	3.8 – 5.0	Pa.s	2 – 2
Acid value (as such)	9.8 – 12.4	mg KOH/g	5 – 1
Color	6 max	Gardner	3 – 1
pH	8.0 – 8.5		8 – 1
Appearance	Clean, clear to slight haze		7 – 1

* SDM: Nuplex Resins methods of determination (available on request)

Density: 8.68 lbs./gal

Hydroxyl value: 90 mg KOH/g

Flash point: > 150°F Setaflash

Non-volatile, by vol.: 22.0%

NOTE: Setal 46-6407 is neutralized with DMEA (dimethylethanolamine) and contains 1.5% DMEA.

On the DSL Inventory

Stability: Setaqua 6407 should not be stored at temperatures below 32°F or above 75°F. Avoid exposure to direct sunlight and prevent freezing. Under these storage conditions, Setaqua 6407 is stable for 3 months.

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