

Spredox D-412

Dispersant for Gravure PU White Inks

Introduction :

Spredox D-412 is an acid modified polymer dispersant with excellent frost resistance and excellent dispersing properties for inorganic pigments. Using D-412 to disperse titanium dioxide in solvent-based gravure PU white ink can effectively reduce viscosity and improve pigment settling problems.

Appearance : Light Yellow Liquid

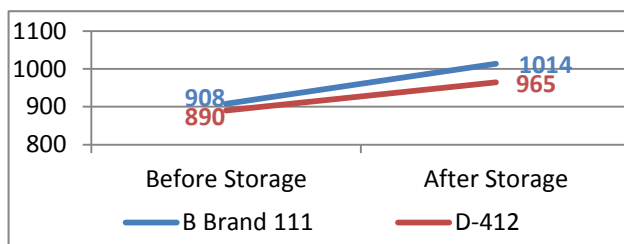
Solid Content : 100%

Viscosity Reduction and Storage Testing :

Milled Base	%
Dispersant	4
TiO ₂ *	40
VC-Vac Copolymer	6
Co-solvent	50
Total	100

*Chemours R706

Viscosity Unit : cps

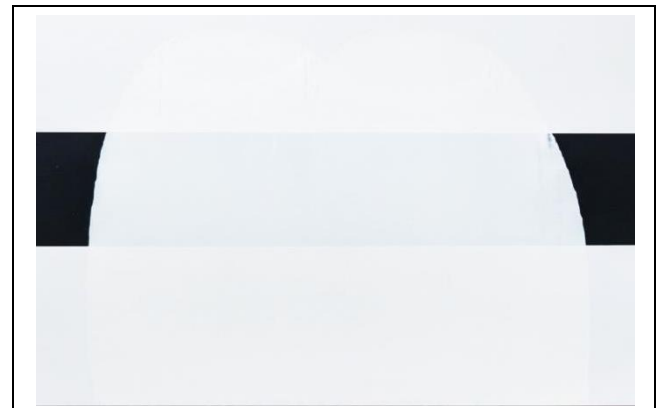


Chromaticity Test :

Let Down	%
Milled Base	50
PU Resin (30%)	50
Total	100

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D-412



	B Brand111	D-412
L*	88.63	88.78
a*	-1.79	-1.81
b*	-2.77	-2.84
Strength	100.0	97.32
Gloss	62.46	70.29

Measure the white ink on the black background.
Lower color strength means better opacity.

Anti-settling Test :

Dilute white inks 5 times with co-solvents

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D-412 has better anti-settling performance.

Packaging and Storage :

- ✧ 25kg / Pail
- ✧ 3 years under normal storage