

SRE-42413 油墨超级分散剂 Polyester Dispersant

组成: 聚酯型多链体高分子聚合物

Composition: Polyester type polychain polymer

主要物理数据 Main physical data:

外观 appearance	淡黄色至琥珀色固体 Light yellow to amber solid
沸点 boiling point	>250 deg C 分解 >250 deg C decomposition
熔点 melting point	47
密度 density	1.13
d90	约 7.5 微米 About 7.5 microns
颜色 color	<9 (20% solution in 4:1 xylene: butanol)
有效成份 Active ingredients	100%

原理与作用:

- 1、原理: 根据 Lewis 酸碱理论, 酸可以视为释放出质子的分子或离子, 即电子接受体; 而方可以视为接受质子的分子或离子, 即电子给予体。根据这个理论去研究颜料的酸碱特性, 以及颜料与超分散剂的锚固结合来提高颜料在分散体系中的润湿和分散稳定性。
- 2、本品是高分子聚合物分散剂, 它能改进有机颜填料的润湿性, 使其易被分散介质润湿, 缩短研磨分散时间; 降低颜料粒子分散体系的粘度, 减少粉碎研磨过程中的动力消耗; 提高颜料分散体系在贮存过程中的抗絮凝和分散稳定性。
- 3、可以提高对有机颜料的分散性能, 提高着色效果, 获得颜色饱和度。

Principle and function:

1. Principle: According to Lewis acid-base theory, acids can be regarded as molecules or ions that release protons, i.e., electron acceptors; so, it can be regarded as molecules or ions that accept protons, that is, an electron donor. On the base of this theory, the acid-base properties of pigments and the anchoring combination of pigments and hyperdispersants are studied to improve the wetting and dispersion stability of pigments in the dispersion system.
- 2, This product is a polymer dispersant that can improve the wettability of organic makeup filler, making it easy to be wetted by the dispersion medium and shortening the grinding dispersion time. It also reduces the viscosity of pigment particle dispersion system and the power consumption in the grinding process. The advantage of this product is to improve the anti-flocculation and dispersion stability of the pigment dispersion system during storage.
- 3, Improve the dispersion of organic pigments, improve coloring effect, and obtain color saturation

适用体系:

改善颜料分散，提供在溶剂介质的稳定性，适用于工业用涂料（溶剂型）、包装油墨等。

Applicable system:

Improve pigment dispersion; provide stability in solvent medium; and apply to industrial coatings (solvent type), packaging inks, etc.

建议添加量:

对全量的 2--30%; 颜基比为: 无机颜料---为 20-30% 之间, 有机颜料----绿、蓝、紫、黄、红、橙色 15---45% 使用, 低色素炭黑 15---20%, 高色素炭黑为 50---80%, 要求高的可以增加使用量, 效果更好。把分散剂预先溶解在溶剂, 然后加入颜料, 有些油墨可以直接加到油墨配方中高速分散溶解即可 (高速分散时会产生一定的温度)。

Recommended addition amount:

2--30% of the total quantity. The ratio is: inorganic pigments -- between 20-30%, organic pigments ---- green, blue, purple, yellow, red, orange 15-- 45% use, low pigment carbon black 15-- 20%, high pigment carbon black 50-- 80%. If you need higher requirements, you can increase the use of amount, which the effect is better. The dispersant is dissolved in solvent in advance, and then the pigment is added, some ink can be directly added to the ink formula in high speed dispersion can be dissolved (The product will release heat when dispersed at high speed).

包装: 30kg/桶

Package: 30kg/barrel

贮运: 本品不是危险品, 储存远离热源火源。通风干燥阴凉处保存, 密封条件下保质期一年。

Storage: This product is not the hazardous article. It should be stored away from heat and ignition sources. Store in a ventilated, dry, and cool place with a shelf life of one year under sealed conditions.

以上资料仅供参考, 不代表我司任何法律保证, 以实物为准, 请预先试验其适用性。

The above information is for reference only and does not represent any legal guarantee of our company. The material object shall prevail. Please test its applicability in advance.

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