

BG-PPh环保型高效成膜助剂

High Effective Film-forming Agent

化学名/Chemical name: 丙二醇苯醚 Propylene glycol phenyl ether

结构式/Structural formula: $C_6H_5OC_3H_6OH$

分子量/Molecular weight: 152.2

性能 Properties	沸点 Boiling point °C	挥发速率 Volatization rate BuAC=1.0	在水中溶解度 Solubility in water %	相对密度 Relative density 25/25°C	PH值 PH value	有效成份 Active Ingredient%
BG-PPh	242.7	≤0.01	1.1	1.045 ~ 1.065	6 ± 0.5	≥99

BG-PPh为无色透明液体,有愉快的芳香甜味。它的无毒环保特性,对降低涂料的VOC效果显著。作为各类水性乳胶和分散体涂料的高效成膜助剂,在有光和半光漆中特别有效。它是乙酸乙酯、丙烯酸酯、苯乙烯-丙烯酸酯等各类聚合物的强溶剂,水溶性小,低于水的挥发速度,确保它被乳胶微粒完全吸收,形成优异连续涂膜,从而赋予乳胶漆最好的聚结性能和展色性,同时具有良好的储存稳定性。与普通成膜助剂(如醇酯-12)相比,在漆膜完全成型,相同光泽、流动性、抗流挂性、展色性、耐擦洗性等条件下,BG-PPh的用量降低30~50%左右。

经产品优化,BG-PPh(E)、(T)可在制漆的任何阶段直接加入,操作工艺大大简化。克服了本类产品在纯丙乳液、特殊分散体等情况下局部浓度太高带来的稳定性问题。BG-PPh(E)能有效提高乳胶漆聚合物的稳定性,BG-PPh(T)则有效改善乳胶漆的冻融稳定性。

BG-PPh is colorless transparent liquid, with pleasant sweet scent. Due to its properties of toxicless and environmental protection, it has remarkable effect on reducing VOC of the coating. It's used as high effective film-forming agent for water-based latex and dispersing body coating, and has distinct effect on glossy or half-glossy paints.

It is a strong solvent for vinyl acetate, acrylic ester, styrene-acrylic ester etc. Its relative little solubility in water, lower evaporating rate than water one makes the solvent thoroughly absorbed by the latex particle and form into excellent excessive paint film, thereby offers the latex paints the best aggregative and color-folding properties, as well as fine stability of store. On the same condition, such as complete finished form of paint film, luster, fluidity, color-folding anti-runs and scrub resistance etc., the consumption of BG-PPh is decreased by around 30~50% as compared with common film-forming agent (TEXANOL or alcohol ester-12 in China).

After been optimized, BG-PPh(E), (T) can be added at any stage of paint-manufacturing process. Therefore, the process procedure is simplified remarkably and the stability problem brought by the high concentration of BG-PPh in poly acrylic emulsion, specific dispersing body is overcome.

BG-PPh(E) can raise effectively stability of latex paint polymer. BG-PPh(T) can improve effectively freeze-melting stability of latex paint.

用法与用量/Usage & consumption:

- 1、我们建议BG-PPh在乳液前加入,或者在颜料研磨阶段加入。
- 2、一般情况下,纯丙乳液添加量为3.5~6%,对于醋丙乳液添加量为2.5~4.5%,对于苯丙一般为2~4%。
- 1、It is recommended that the BG-PPh be added before latex emulsion, or in pigment grinding stage.
- 2、In generally the added amount of the product is 3.5-6% for poly acrylic emulsion; is 2.4-4.5% for polyvinyl acetate-acrylic emulsion; is 2-4% for poly-styrene-acrylic emulsion.

包装与储运/Packing and storage:

- 1、50公斤涂塑桶,200公斤塑胆桶。
- 2、本品属非危险品,应储存于阴凉干燥处。
- 1、50kg paint plastic barrels, 200kg plastic-line barrels.
- 2、It is not a dangerous article and should be stored in cool and drying place.