

Styrofan[®] 7212



化学特性

苯乙烯和丁二烯的共聚物所形成的水性乳液。

外观: 乳白色液体
离子电荷: 阴离子性
低温稳定性: 不抗冻

主要应用领域

锂电池负极粘合剂

技术参数

固含量*	49.0 – 51.0 %
PH*	7.0 – 9.0
粘度*	0 – 200 mPa·s
密度*	约 1.02 g/cm ³
玻璃化温度*	~ -15°C
乳胶平均粒径*	~ 200nm
起始热分解温度*	>300°C
化学活性*	无颜色变化
电化学稳定性*	抗还原特性优异

*具体信息请咨询当地巴斯夫代表

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应用

Styrofan[®] 7212 是一种阴离子型的聚合物水性乳液。此款产品是为锂离子电池负极材料而专门设计的粘合剂。具有制浆稳定性良好, 对负极活性材料和金属集流体粘结强度高, 柔韧性优异, 内阻低, 循环性能优异, 极片膨胀度小, 低温性能好等特点, 是通用型锂电池负极材料粘结剂。

Styrofan[®] 7212 不含任何有机溶剂, 与羧甲基纤维素 CMC 溶液相混溶, 与一般锂离子电池的负极材料完全相容, 浆料稳定性好。由于其突出的粘结强度, 相对一般负极粘结剂添加量可适当减少, 同时电池内阻降低, 提高循环性能。

由于具体应用配方和工艺的差异, 制浆时胶乳与其他负极材料组分的相容性, 上胶时浆液稳定性, 以及成型后胶乳对负极活性材料和集流体基材的粘接能力等, 都受到很多应用条件的影响, 因此建议用户使用 Styrofan[®] 7212 时进行相应的应用测试。

为了达到最好的应用效果, 建议使用前搅拌均匀。

储存

保存在 10°C ~ 30°C 阴凉通风的条件下, 为六个月保存期。(详见储藏和运输说明)

本产品绝对不可以与裸铁, 铜或者其合金接触。

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Edition: Mar 2017

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