

ATP®-709

Glass Protective Coating For Nickel and Titanium Alloys

镍基合金、钛合金玻璃防护涂层

Standard number 标准号: YAP-ATP-Glasslub-2019

● Description 描述

A water-based, protective and lubricating glass coating formulated to protect and lubricate nickel and titanium alloy during forging processes.

一种用于锻造过程中保护及润滑镍合金、钛合金的水基玻璃涂层。

● Performance Characteristics 性能特征

- effective temperature range 1700-2100° F (926-1149° C)
有效温度范围 1700-2100°F (926-1149°C)
- provides excellent lubrication and protection
提供优良的润滑及保护性能
- exceptional insulating properties
卓越的保温性能
- demonstrates heat retention properties for improved performance in hot working operation
提高热加工的操作性能
- outstanding coverage & performance in one coat
单次涂覆即可实现卓越的覆盖性能
- demonstrates exceptional green strength upon proper drying to withstand cracking, chipping, peeling, etc.
在适当的干燥条件下, 具有良好的生坯强度, 能承受开裂、切削、剥落等
- provides excellent rheological properties for dipping and spraying applications
为浸涂和喷涂提供优良的流变性能
- Prevents the development of alpha case and hydrogen pick up.
阻止 α 层形成, 防渗氢

● Recommendations for Use 使用指导

- thoroughly suspend and mix before use
使用前充分搅拌均匀
- metal surfaces must be free of dirt, oil, grease, metal oxides, and other materials
金属表面不得有污垢、油污、金属氧化物及其它物质
- coating thickness depends on the time and temperature of exposure (generally, the higher the temperature and longer exposure, the thicker the coating should be applied)
涂层厚度取决于暴露时间和温度(一般温度越高, 暴露时间越长, 涂层越厚)



- a wet film thickness of 6 ± 2 mil should be optimal
最佳湿膜厚度为 6 ± 2 mil
- ensure bottom coat is thoroughly dried when applying multiple coats
多层涂覆时，确保底层完全干燥
- water-based coatings need ample time to completely dry before entering furnace (can be applied over preheated substrate to accelerate drying time)
水基涂料需在完全干燥后方可入炉（可涂覆于预热后的基材上以加速干燥）

● Typical Properties 属性

pH	7.0-9.0
% Solids 固体含量	55 \pm 0.5
Vehicle 溶剂	Water 水
Viscosity (@ 25°C) as Supplied 粘度 (CPS)	2000-3000
Weight/Gallon (lbs)重量 (磅/加仑)	13.0 \pm 0.5 磅
Specific Gravity 比重	1.45-1.55
Color 颜色	white 白色
Shelf Life 有效期	2 year 年

● Product Safety 产品安全

Before handling the materials listed in this bulletin, read and understand the product SDS (Safety Data Sheet) for additional information on personal protective equipment and for safety, health, and environmental information.

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● Storage and Handling 存储和搬运

ATP[®]-709 should be stored indoors in the original unopened and undamaged container, in a dry place at a



temperature not exceeding (40°C). Exposure to direct sunlight should be avoided.

ATP®-709 应存放于室内，保持原包装未开封且完好无损，存放环境需干燥且温度不超过 40°C，应避免阳光直射。

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For further information and more product details, packaging and safety data sheets, contact us as below:

欲了解更多产品信息、包装和安全数据表，请与我们联系

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