

ZL-2C

LEVEL 2 POST EMULSIFIABLE FLUORESCENT PENETRANT

2级灵敏度后乳化荧光渗透剂

A medium sensitivity penetrant (Level 2), ZL-2C fluorescent post-emulsifiable penetrant is designed to be removed from the part surface by emulsifiers or solvent. Both Method B lipophilic emulsifier ZE-4E and Method D hydrophilic emulsifier ZR-10E can be used to remove surface ZL-2C penetrant. Developers can be ZP-4B dry powder developer, ZP-14A water soluble developer in a non-agitated tank, ZP-5B water suspendible developer in an agitated tank, or ZP-9F non-aqueous developer. With a UV-A light source, indications will appear as a bright green-yellow fluorescence. ZL-2C has a high flash point, and is designed to be used in open dip tanks.

作为一款二级灵敏度渗透液，ZL-2C后乳化荧光渗透液被设计为需用乳化剂或者溶剂从零件表面清除。方法B亲油性乳化剂ZE-4E和方法D亲水性乳化剂ZR-10B都能够去除表面的ZL-2C渗透液。显像剂可以配合使用ZP-4B干粉型显像剂，非搅拌槽可以使用ZP-14A水溶型显像剂，有搅拌槽可以使用ZP-5B水悬浮型显像剂，或者使用ZP-9F溶剂型显像剂。在黑光光源下，缺陷显示呈明亮的荧光黄绿色。ZL-2C具有高闪点可以在开放式浸没槽中使用。

ZL-2C is listed on the QPL SAE AMS 2644 Qualified Product List and is approved for use by Pratt & Whitney.

ZL-2C 被收录在QPL SAE AMS 2644的合格产品名录中，并被普惠公司批准并使用。

BENEFITS 优势

- Bright indications
明亮的缺陷显示
- Minimal background fluorescence
极少的荧光背景
- High flash point
高闪点

SPECIFICATIONS 符合规范

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- MIL-STD-2132
- MIL-STD-271
- NAVSEA T9074-AS-GIB-010/271
- Pratt & Whitney PMC 4352
- QPL SAE AMS 2644

APPLICATIONS 应用

Defect location: open to surface

缺陷位置：表面开口缺陷

Ideal for 适用于

- Castings 铸件
- Forgings 锻件
- Extrusions 挤压成型
- Welds 焊接
- Rough surface finish 粗糙表面

Defect examples 缺陷类型

- Cracks 裂纹
- Laps 堆叠
- Seams 裂缝
- Delamination 分层
- Porosity 气孔

PRODUCT PROPERTIES 产品属性

Flash Point 闪点	> 93 °C
Density 密度	0.90 g/ml
Odor 气味	Odorless 无味
Viscosity 粘度 (38°C)	6.62 c
NPE-Free 不含烷基酚	Yes 不含

USE RECOMMENDATIONS 使用推荐

NDT Method 无损检测方法	Penetrant Testing, Fluorescent 渗透检测, 荧光
Type 渗透液类型	1
Method(s) 去除方法	B/C/D
Sensitivity Level 灵敏度等级	2, medium sensitivity 3 级, 中级灵敏度
Required Equipment 设备要求	UV light source 紫外线光源
Temperature range 温度范围	4 - 52°C

PACKAGING 包装形式

01-3123-50C	20 L pail 20升桶
01-3123-60C	200 L pail 200升桶

HEALTH AND SAFETY 健康和安全

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at www.magnaflux.cn.

产品使用前请阅读相关的健康和安全信息。完整的健康和安全信息参考 www.magnaflux.cn 上的 SDS (安全数据表)。