

ZE-4E

LIPOPHILIC EMULSIFIER

亲油性乳化剂

A Method B lipophilic emulsifier, ZE-4E diffuses into the penetrant to clear the penetrant from the surface of the part being inspected. It is rinsed from the part by water, carrying penetrant off the part surface. Designed to be used with post-emulsifiable penetrants ZL-2C, ZL-27A or ZL-37. Benefits include low volatility and a high flash point, so ZE-4E can be used in open immersion tanks.

作为一款用于方法B的亲油性乳化剂，ZE-4E可以在检测零部件表面的渗透液中扩散，当用水冲洗时可以带走表面多余渗透液。专为后乳化渗透液ZL-2C、ZL-27A或ZL-37设计。其优势包括低挥发和高闪点，因此ZE-4E可以用于敞开的浸没式渗透槽。

ZE-4E is listed on the QPL SAE AMS 2644 Qualified Product List.

ZR-10B已被列入QPL SAE AMS 2644合格产品目录。

BENEFITS 优势

- Low volatility 低挥发
- High flash point 高闪点

SPECIFICATIONS COMPLIANCE 符合规范

- AECL
- AMS 2644
- ASME
- ASTM E1417
- ASTM E165
- Boeing BAC 5423 PSD 6-46 or 8-4
- Boeing PS-21202
- MIL-STD-2132
- MIL-STD-271
- 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

Defect examples 缺陷类型

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

PROPERTIES 属性

Flash Point 闪点	> 121°C
Density 密度	926 g/L
Viscosity 粘度 (38°C)	21.47 cs
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 渗透检测
Method(s) 去除方法	B
Coverage 涂覆率	1 gal will cover approximately 93 m ²

INSTRUCTIONS FOR USE 使用指南

ZE-4E can be applied by immersion or flowing, with immersion being the recommended method. The penetrant-covered part is completely covered with emulsifier and allowed to drain for a predetermined length of time, then washed with water to remove the penetrant/emulsifier mixture. The emulsification time will vary depending upon the penetrant used, part surface finish, specification requirements and the desired results.

ZE-4E使用时可采用流动或者浸泡的方法。推荐使用浸泡方法,使用时将乳化剂彻底覆盖经过渗透后的零件,滴落预定的一段时间,用水清洗掉乳化剂和渗透液混合物。乳化时间取决于使用的渗透液,零件表面状况,规范要求以及需要的结果等因素。

The emulsification time for ZE-4E ranges between 30 seconds and three minutes for Type 1 penetrants depending on specifications. This time must be monitored closely to get the best results.

ZE-4E的乳化时间在使用1型渗透液时根据规范的要求通常在30秒-3分钟之间,这个过程需要密切监测以达到最佳效果。

PACKAGING 包装形式

01-3550-40	5 gal / 18.9 L pail 桶
01-3550-30	20 gal / 75.7 L drum 桶
01-3550-45	55 gal / 208 L drum 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)。