

4.2 半合成助剂复合包 (无硼, 无胺)

产品 **Emulsifier EM 650**

特性 **EM 650** 是不含胺和硼的与水混溶的加工液的低泡沫半合成复合包。该产品硬水稳定。

技术资料	典型数值	规格最小	最大	
颜色	: 棕色			
酸值 (mg KOH/g)	: 8	6	10	ACL-001
水分 (wt.%)	: 10	8	12	DIN 51 777-1
pH 值 (1% in demin. water)	: 9.2	9.0	9.4	DIN 51 369
密度 20°C (g/ml)	: 1.040	1.030	1.050	DIN 51 757
反射指数(n_{D20})	:	1.474	1.494	DIN 51 423-2

应用 不含胺和硼的金属加工液的推荐剂量为浓缩液中 30- 50 重量%。

存储 **EM 650** 可以在原装密封, 10°C 到 30°C 环境条件下存储至少 6 月。

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无胺水溶性加工液样品配方

基础: Emulsifier EM 650

Emulsifier EM 650 包含 15 wt.% 纯苯氧乙醇作为防腐和偶联剂，游离酚的含量低于 10 ppm.

浓缩液配方:

Wt.%	1	2	3	4
环烷矿物油	45	54	59	45
Emulsifier EM 650	50	40	35	45
纯苯氧乙醇	5	6	6	5
水	-	-	-	5

乳化数值 : 取决于 EM650 的使用数量

外观 : 透明-半透明

pH-值 5% : 9,0 - 9,1

铁屑滤纸试验 : Corr = 0 (3 – 5% dilution)

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