

Product Datasheet 产品说明书

Product name 产品名称

LT256 General Monocoat Series

LT256 通用型单涂面漆系列

Product description 产品描述

LT256 General Monocoat Series is designed for application on plastic substrate. It has good adhesion, rub-resisting property, and high hardness, great resistance to alcohol, well weather resistance and extensive compatibility on substrate. (Suitable for ABS, PC, hard PVC, PET, PBT, PPO and etc)

LT256 通用型单涂面漆系列是一种适用塑料件的有机涂料。该漆具有附着力强, 耐磨性好, 硬度高, 耐醇性优, 气候适应性及底材适应性广等优点(适用于ABS, PC, 硬质PVC, PET, PBT, PPO等)。

Product purpose 产品用途

Applied for car indoor parts, household appliances, precision optical instrument and etc.

汽车塑料内饰件、家电等电子电器产品、精密光学仪器等。

Product character 产品特性

- Dry fast.
干燥快。
- With great appearance, Films are fine and hardly drop.
外观优良, 细腻均匀不掉漆。
- Good hardness and rub-resisting property, good adhesion, great resistance to alcohol.
硬度优良, 耐磨耗, 附着力好, 耐醇优良。

Related products 配套产品

- | | |
|------------------------------|-----------------|
| ■ LH260-20 Hardener-Standard | LH260-20 固化剂-标准 |
| ■ LN256 -10 Thinner-Slow | LN256-10 稀释剂-慢干 |
| ■ LN256 -30 Thinner-Fast | LN256-30 稀释剂-快干 |

Surface treatment 表面处理

- Clean substrate with spirit wipe before painting. Use electrostatic gun to remove static. 底材喷涂前请务必用除油剂擦拭干净, 用静电枪帮助消除静电。
- Wipe off grease and dust, remove static. 除油除尘消静电



Application process 施工流程

Application methods 施工方法	Conventional spray 手工喷涂						
Hardener 固化剂	LH260-20						
Thinner 稀释剂	LN256-10/-30						
Mixing ratio (colors : hardener : thinner) 混合比例(色漆 : 固化剂 : 稀释剂)	8~10: 1: 10 (by weight/重量比)						
Pot life 混合使用时间	8 Hrs/小时						
Spray viscosity (NK#2 cup, 20°C) 喷涂粘度(岩田 2#杯, 20°C)	9-12S 9-12 秒						
Spray distance 喷涂距离 (cm/厘米)	15-25						
Spray nozzle 喷涂口径 (mm/毫米)	1.1~1.3						
Pressure 喷涂压力 (Mpa)	0.4~0.6						
Flash-off 层闪时间	2~5 min/分钟						
Flow time 流平时间	5 min/分钟						
Curing conditions 固化条件	<table border="0"> <tr> <td>Air drying 自然干燥 (25°C)</td> <td>Forced drying 强制干燥</td> </tr> <tr> <td>Dust-free: 15 min 表干: 15 分钟;</td> <td>80°C × 30min</td> </tr> <tr> <td>Through dry: 24 Hrs 实干: 24 小时</td> <td>80°C × 30 分钟</td> </tr> </table>	Air drying 自然干燥 (25°C)	Forced drying 强制干燥	Dust-free: 15 min 表干: 15 分钟;	80°C × 30min	Through dry: 24 Hrs 实干: 24 小时	80°C × 30 分钟
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Important notes 注意事项:

- ❑ Usually to be painted manually. Electrostatic spray can be sometimes applied in case the substrate has been specially treated to be suitable for electrostatic spray.
一般用手工喷涂, 但有时候塑料表面经处理也可用于静电喷涂。
- ❑ Coatings should be mixed sufficiently once opened. Clean the remainder with thinner and pour them together into mixing container to avoid color variation caused by pigment settling.
涂料开罐后应充分搅拌均匀, 罐底残漆应用稀释剂洗净一并混入调漆罐中, 以防颜料沉底引起的色差。
- ❑ Filter thinner with 200 mesh strainer before using to get rid of impurity if any.
稀释剂使用前须用 200 目滤网过滤, 以除去可能混入的杂质。
- ❑ After thinning, use 120 mesh strainer for filtration before spraying.
涂料开稀后, 用 120 目滤网过滤, 然后使用。
- ❑ Keep in dust-free environment for 5-10 minutes after painting, then send into drying room.
喷涂后物件在无尘环境中维持 5-10 分钟后进入烘道。
- ❑ The ratio of color coat and hardener should be exact. Use special thinner only.
色漆与固化剂混合比例要正确, 并要使用专用稀释剂。
- ❑ The pot life will be 8 hours once the hardener had been added. Please use it up within the time. Notice high temperature and humidity will reduce the pot life.
色漆与固化剂混合后, 活化时间为 8 小时, 故应在规定时间内用完。应当注意环境温度高湿度高会减短使用寿命。



Dry film performance 干膜性能*

Item 项目	Specification 指标
Pencil hardness (Mitsubishi U2)三菱 U2 铅笔硬度	1H
Alcohol resistance(99.5% ethanol, 0.5kgf, back and forth) 耐醇性 (99.5%乙醇, 500 克力来回)	Times of rub-through to substrate >100 times 露底次数>100 次
Abradation resistance (Taber5700 Linear Abraser, CF-10 rubber,500g, speed: 1 inch/min) 耐干磨性能(Taber5700 Linear Abraser 仪器, CF-10 橡皮,500 克,1 英寸/分钟移行速度)	Times of rub-through to substrate >1000 times 露底次数>1000 次
RCA (0.175kgf) RCA (175 克力)	Times of rub-through to substrate >50 times 露底次数>50 次
Salt spray resistance (50±10g/l, 35±2°C,120hr) 耐盐雾性 (50±10 克/升, 35±2°C,120 小时)	creep width<3 mm 锈蚀宽度<3 毫米
Circle test resistance 耐高低温循环性 (-20°C×2Hr/小时 → room temperature 1 Hr/室温 1 小时→ 70°C×2 Hr/小时 → room temperature 1 Hr/室温 1 小时)	10 circles 10 次循环
Humidity resistance (40°C×95%RH) 耐湿热性 (40°C×95%相对湿度)	>120Hrs/小时
Non-viscous property (foam polyethylene, 0.5kgf, 70°C) 不粘着性 (发泡聚乙烯, 500 克力, 70°C)	>8 Hrs/小时
Accelerated weathering test (xenon lamp, gloss retention rate>95%, ΔE<0.5) 人工加速耐老化性 (氙灯, 光泽保持率>95%, ΔE<0.5)	>400 Hrs/小时
Heat resistance (70°C) 耐热性 (70°C)	>72Hrs/小时
Acid resistance (0.1N H ₂ SO ₄ ,25°C) 耐酸性 (0.1N 硫酸 ,25°C)	>24 Hrs/小时
Alkali resistance (0.1N NaOH ,25°C) 耐碱性 (0.1N 氢氧化钠 ,25°C)	>24 Hrs/小时
Water resistance (distilled water dripping, 55°C) 耐水性 (蒸馏水点滴,55°C)	>4 Hrs/小时, ΔE<0.5

*Above mentioned results are worked out on below test panel, in an ordinary lab environment. Result will be different under other circumstance thus pre-test is strongly recommended.

上述结果是基于以下测试板材, 在实验室环境获得的。不同的环境和基材置备会产生不同的结果, 因此我们强烈建议在使用前根据自己的工艺参数安排测试。

Test panel 测试板材:

- Dry film thickness : 12~20 micron, after 30min baking at 80°C, hold for 168hrs before any performance tests ;
干膜厚度 12~20 微米, 80°C 烘烤 30 分钟后需放置 168 小时再进行测试。



本产品仅供专业人员使用。

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