

Technical Data

产品说明

GLS 422-126 is designed to pass several fatty food extraction conditions identified in EU Directive 10/2011 and may be appropriate where FDA and EU 10/2011 compliances are required.

GLS 422-126 will also overmold and co-extrude to polypropylene.

总览

材料状态	• 已商用：当前有效
资料 ¹	• Technical Datasheet
搜索 UL 黄卡	• 普立万公司 • GLS
供货地区	• 欧洲
特性	• 食品接触的合规性
用途	• 包覆成型 • 厨具 • 垫圈 • 非特定食品应用 • 容器 • 消费品应用领域
机构评级	• FDA 21 CFR 177.1210 ² • 欧洲 10/1/2011 12:00:00 AM ²
RoHS 合规性	• RoHS 合规
外观	• 半透明
形式	• 粒子
加工方法	• 挤出 • 注射成型

物理性能	额定值	单位制	测试方法
密度 / 比重	0.898	g/cm ³	ISO 1183
弹性体		额定值	单位制
拉伸应力 ^{4,5}			DIN 53504
100%应变, 23°C	1.50	MPa	
300%应变, 23°C	2.50	MPa	
抗张强度			DIN 53504
流量：断裂, 23°C ^{4,5}	6.00	MPa	
横向流量：断裂, 23°C	12.9	MPa	
伸长率 ⁴			DIN 53504
横向流量：断裂, 23°C	650	%	
流量：断裂, 23°C ⁵	450	%	
硬度		额定值	单位制
肖氏硬度 (邵氏 A, 3 秒)	50		DIN 53505
充模分析		额定值	单位制
表观粘度 (200°C, 11200 sec ⁻¹)	40.4	Pa·s	内部方法

注射	额定值	单位制
建议的最大回料比例	20	%
料筒后部温度	193 到 204	°C
料筒中部温度	199 到 216	°C
料筒前部温度	204 到 227	°C
喷嘴温度	210 到 238	°C
加工 (熔体) 温度	204 到 227	°C
模具温度	13 到 32	°C
背压	0.00 到 0.552	MPa
螺杆转速	50 到 100	rpm



注射说明

Color concentrates based on polypropylene (PP), ethylene vinyl acetate (EVA), or low density polyethylene (LDPE) are most suitable for coloring GLS 422-126. Improved color dispersion can be achieved by using higher melt flow concentrates (with a melt flow from 25-40 g/10 min). Typical loadings for color concentrates are 1% to 5% by weight. Liquid color can be used, but mineral oil based carriers may have a significant effect on the final hardness value. Concentrates based on PVC should not be used. A high color match consistency can be obtained by the use of precolored compounds available from GLS. The final determination of color concentrate suitability should be determined by customer trials.

Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) polyethylene (PE) or polypropylene (PP).

Regrind levels up to 20% can be used with GLS 422-126 with minimal property loss, provided that the regrind is free of contamination. To minimize losses during molding, the melt temperature should remain as low as possible. The final determination of regrind effectiveness should be determined by the customer.

GLS 422-126 has excellent melt stability. Maximum residence times may vary, depending on the size of the barrel. Generally, the barrel should be emptied if it is idle for periods of 8 - 10 minutes or longer.

Drying is not Required

Injection Speed: 1 to 3 in/sec

1st Stage - Boost Pressure: 500 to 700 psi

2nd Stage - Hold Pressure: 10 to 30% of Boost

Hold Time (Thick Part): 2 to 4 sec

Hold Time (Thin Part): 1 to 2 sec

挤出**额定值 单位制**

熔体温度

204 到 227 °C

口模温度

216 到 238 °C

挤压说明

Rear: 380-400F

Center: 390-420F

Front: 400-440F

Screw: 100-500rpm

备注

¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

² Product rating may be influenced by end product design and/or conditions of use. Please contact GLS Thermoplastic Elastomers for information addressing EU (EU, 10/2011) and FDA (21 CFR 177.1210) compliance.

³ 一般属性：这些不能被视为规格。

⁴ C 模具

⁵ 2 小时



GLS 422-126

热塑性弹性体

普立万公司

PROSPECTOR®

www.ulprospector.com

购买地点

供应商

普立万公司

Cleveland, OH USA

电话: 1-844-4AVIENT

Web: <https://www.avient.com>

分销商

请联系供应商以便为 GLS 422-126 查找分销商

