

# Algoflon® L101-1

Polytetrafluoroethylene  
Solvay Specialty Polymers

Message:

Algoflon®L101-1 is a white PTFE micropowder containing loose agglomerates of submicron-sized particles. It has excellent chemical and heat resistance, low surface energy and low friction coefficient.

Algoflon®The L101-1 is mainly designed to be used as a high-quality grease additive. Specific surface area higher than Algoflon®L203, can reduce the amount of use to reduce the coefficient of friction and improve the friction and wear performance of the lubricating oil.

Algoflon®L101-1 can be used in ink to improve abrasion resistance, scratch resistance and scrub resistance.

Algoflon®Main features of L101-1

- Very high specific surface area
- low molecular weight
- Good mixing performance
- Easy to depolymerized under shear force
- compliant with FDA 21 CFR 177.1550

General Information			
Features	Low molecular weight		
	Low friction coefficient		
	Good chemical resistance		
	Heat resistance, high		
Uses	Mixing		
	Additive		
Agency Ratings	FDA 21 CFR 177.1550		
Appearance	White		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.30	g/cm <sup>3</sup>	ASTM D4895
Specific surface area	> 14	m <sup>2</sup> /g	Internal method
Average Particle Size			Internal method
--	3.5	µm	Internal method
Primary election	0.14	µm	Internal method
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	328 - 332	°C	ASTM D3418
Additional Information			

## 加工

作为助剂, Algoflon® L101-1 可用于许多产品中.由于分子量低,不适合用作注塑或挤塑用树脂.通常按照树脂重量的5-30%进行添加.必须小心控制材料的添加及与基体材料的混合.建议在低于30 °C下进行混合,以获得均匀的混合物.

Algoflon® L 超细粉可以通过各种混合设备分散.推进式混合器可用于潮湿混合物.玻璃珠研磨机推荐用于高粘性混合物,辊式破碎机通常用于超高粘度产品,如油和润滑脂.对于干燥混合物,则用高速搅拌器和烘干搅拌机.

-如果基体树脂是弹性体, Algoflon® L101-1可先与其它填充物混合,然后在常规条件下进行最终加工前,添加到弹性体中.存储及操作-如果在低于30°C的干燥整洁的环境下存储,则不需要考虑Algoflon® L101-1超细粉的保质期.安全性及毒理性-使用PTFE Algoflon® L超细粉前,请参阅产品的材料安全数据表单,并遵循所有标签指南和操作注意事项.

和所有PTFE材料一样,操作和加工必须在通风良好的场所进行,设备上方应安装蒸汽抽气装置.不能吸入烟雾,应避免接触皮肤和眼睛.如有皮肤接触,用肥皂和水清洗干净.如触及眼睛,应立即用大量清水冲洗,并寻求医疗帮助.不要在粉尘,蒸汽或烟雾污染的环境吸烟.

-废物处置详细建议请参考材料安全数据表单.包装

Algoflon® L101-1 用一次性桶包装,每桶20公斤.每只桶内有1只聚乙烯树脂衬袋.

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## Recommended distributors for this material

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