

# Lucofin® 1400MN

乙烯丙烯酸丁酯共聚物

Lucobit AG

## Technical Data

### 产品说明

Lucofin 1400 MN is a polar copolymer consisting of ethylene and butyl acrylate with low crystallinity. Due to its chemical structure Lucofin 1400 MN is softer and more flexible than ethylene homopolymers with comparable density. Lucofin 1400 MN is supplied as uncoloured granules.

Lucofin 1400MN is used as a component in multi-layer film constructions or as polymer modifier to improve splitting resistance, environmental stress crack resistance ESCR, resistance to low temperatures, weldability, and processability.

### Product advantages

- easy processing on standard processing equipment
- flexibility
- impact strength at low temperatures (- 40 °C)
- thermal stability of polymer (no corrosive by-products)
- good mechanical properties
- high utilization temperatures
- good compatibility and filler acceptance
- good organoleptics
- environmentally sound

### Applications

Lucofin 1400MN is used primarily for injection applications, but is also suited for extrusion purposes. In the field of film extrusion it is used for films in the construction and agricultural industry, FFS bags, and also for food packaging applications. Moreover, Lucofin 1400MN is ideally suited as base resin for compounds or as an impact modifier for stiff polymers. Compounds based on Lucofin 1400MN can be used for profile and cable extrusion purposes and for the production of sealing membranes. Furthermore it can be used for x-linked closed cellfoams.

### 总体

供货地区	• 欧洲		
特性	• 高 ESCR ( 抗应力开裂 ) • 共聚物 • 环保 • 抗盐水/雾 • 可发泡性能	• 可加工性, 良好 • 可交联 • 良好的感官特征 • 良好的柔韧性 • 耐低温冲击	• 耐碱 • 耐酸 • 柔软 • 无腐蚀性
用途	• 薄膜 • 袋子 • 电线电缆应用 • 复合	• 建筑应用领域 • 膜 • 农业应用 • 泡沫	• 食品包装 • 塑料改性 • 型材
外观	• 自然色		
形式	• 颗粒		
加工方法	• 薄膜挤出 • 挤出	• 型材挤出成型 • 注射成型	

物理性能	额定值	单位制	测试方法
密度	0.924	g/cm <sup>3</sup>	ISO 1183
熔流率 ( 熔体流动速率 ) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
机械性能	额定值	单位制	测试方法
拉伸模量	45.0	MPa	ISO 527-2
拉伸应力 (屈服)	3.50	MPa	ISO 527-2
拉伸应变 (屈服)	13	%	ISO 527-2
硬度	额定值	单位制	测试方法
肖氏硬度			ISO 868
邵氏 A	88		
邵氏 D	32		

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热性能	额定值 单位制	测试方法
维卡软化温度	60.0 °C	ISO 306/A50
熔融温度 ( DSC )	95.0 °C	ISO 3146
补充信息	额定值 单位制	测试方法
Comonomer BA	17 %	DIN 51451
注射	额定值 单位制	
加工 ( 熔体 ) 温度	180 到 250 °C	
模具温度	10 到 40 °C	
挤出	额定值 单位制	
熔体温度	160 到 190 °C	