

# Surlyn® 9910

乙烯甲基丙烯酸

DuPont Packaging & Industrial Polymers

## Technical Data

### 产品说明

Surlyn® 9910 is a zinc ionomer thermoplastic resin. It is available for use in conventional extrusion and injection equipment, to create various sheets or shapes.

Surlyn® 9910 thermoplastic resin is an advanced ethylene/methacrylic acid (E/MAA) copolymer, in which the MAA acid groups have been partially neutralized with zinc ions.

### 总体

材料状态	• 已商用 : 当前有效		
供货地区	• 北美洲 • 非洲和中东	• 拉丁美洲 • 南美洲	• 欧洲 • 亚太地区
性能特点	• 共聚物		
机构评级	• FDA 21 CFR 177.1330		
形式	• 颗粒料		
加工方法	• 吹塑成型	• 挤出	• 注射成型

物理性能	额定值	单位制	测试方法
比重	0.970	g/cm <sup>3</sup>	ASTM D792 ISO 1183
熔流率 (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238 ISO 1133
机械性能	额定值	单位制	测试方法
抗张强度			
屈服, 23°C, 模压成型 <sup>2</sup>	13.8	MPa	ASTM D638
断裂, 23°C	24.8	MPa	ASTM D638 ISO 527-2
伸长率 (断裂, 23°C)	290	%	ASTM D638 ISO 527-2
弯曲模量			ASTM D790
-20°C	731	MPa	
23°C	330	MPa	
抗磨损性 - NBS Index	610		ASTM D1630
冲击性能	额定值	单位制	测试方法
悬壁梁缺口冲击强度 (23°C)	360	J/m	ASTM D256
拉伸冲击强度			ASTM D1822
-40°C	1010	kJ/m <sup>2</sup>	
23°C	1020	kJ/m <sup>2</sup>	
硬度	额定值	单位制	测试方法
硬度计硬度 (邵氏 D)	64		ASTM D2240 ISO 868
热性能	额定值	单位制	测试方法
脆化温度	-105	°C	ASTM D746
维卡软化温度	62.0	°C	ISO 306/120 ASTM D1525 <sup>3</sup>
熔融峰值温度	86.0	°C	ASTM D3418 ISO 3146
Freezing Point	46	°C	ASTM D3418
光学性能	额定值	单位制	测试方法
雾度 (6350 μm)	6.0	%	ASTM D1003

### 补充信息

Cation Type: Zinc  
 Abrasion Resistance, ASTM D1630: 610 NBS Index  
 Freezing Point, ASTM D3418: 46°C

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### 注射

### 额定值 单位制

加工 (熔体) 温度

185 到 285 °C

### 备注

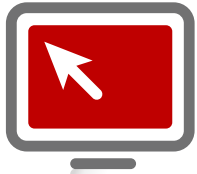
<sup>1</sup> 一般属性：这些不能被视为规格。

<sup>2</sup> 类型 4, 50 mm/min

<sup>3</sup> 标准 B (120°C/h)



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