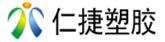
# 杜邦沙林料9910物性表

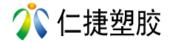


# **DuPont Packaging & Industrial Polymers**

		DuPont™ Surlyn® 9910	

Surlyn® resins Product Data Sheet

Product Description estrictions Material Status /pical Characteristics Features	Surlyn® 9910 is a zinc ionomer therr conventional extrusion and injection Surlyn® 9910 thermoplastic resin is a (E/MAA) copolymer, in which the MA with zinc ions. • Commercial: Active Zinc Ionomer Embrittlement Temperature	equipment, to create var an advanced ethylene/m	rious sheets or shapes nethacrylic acid
Material Status pical Characteristics	<ul> <li>(E/MAA) copolymer, in which the MA with zinc ions.</li> <li>Commercial: Active</li> <li>Zinc lonomer</li> </ul>		
Material Status pical Characteristics	with zinc ions.  Commercial: Active Zinc lonomer	A acid groups have bee	n partially neutralized
Material Status pical Characteristics	Zinc lonomer		
pical Characteristics	Zinc lonomer		
Features			
	Embrittlement Temperature		
Characteristics / Benefits			
	Abrasion Resistance		
	Flexural Modulus (23C)		
	Tensile Elongation @ Break (23C)		
	527-2		
	Tensile Strength @ Break (23C) 527-2		
	Tensile Strength @ Yield (23C)		
	Tensile Impact Strength (23C) Tensile Impact Strength (-40C)	485 ft-lb/in2 480 ft lb/in2	ASTM D1822
	Hardness (Shore D)		
	Haze (0.25 inch)	6%	ASTM D1003
	Notched Izod Impact (23C)	6.8 ft-lb/in	ASTM D256
Applications	Injection Molding / Sheet Extrusion /	n / Blow Molding	
pical Properties			
Physical	Nominal Values	Tes	st Method(s)
Density ()	0.97 g/cm <sup>3</sup>	ASTM D792	ISO 1183
Melt Flow Rate (190°C/2.16kg)	0.7 g/10 min	ASTM D1238	<sup>3</sup> ISO 1133
Thermal	Nominal Values	Test Method(s)	
Melting Point (DSC)	86°C (187°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	46°C (115°F)	ASTM D3418	}
Vicat Softening Point ()	62°C (144°F)	ASTM D1525	5 ISO 306
ocessing Information			



#### General

Maximum Processing Temperature 285°C (545°F)

General Processing Information

Surlyn® 9910 is normally processed at melt temperatures ranging from 185°-285°C (365°-545°F). Actual processing temperatures will usually be determined by either the specific equipment or substrate or one of the other polymers in a coextrusion or coinjection.

Materials of construction used in the processing of this resin should be corrosion resistant. Stainless steels of the types 316, 15-5PH, and 17-4PH are excellent, as is quality chrome or nickel plating, and in particular duplex chrome plating. Type 410 stainless steel is satisfactory, but needs to be tempered at a minimum temperature of 600°C (1112°F) to avoid hydrogen-assisted stress corrosion cracking. Alloy steels such as 4140 are borderline in performance. Carbon steels are not satisfactory. While stainless steels can provide adequate corrosion protection, in some cases severe purging difficulties have been encountered. Nickel plating has been satisfactory, but experiments have shown that chrome surfaces have the least adhesion to acid based polymers. In recent years, the quality of chrome plating has not always been adequate. Chrome over top of stainless steel seems to provide the best combination for corrosion protection and ease of purging.

If surface properties of the extruded resin require modification (such as, lower C.o.F. for packaging machine processing), refer to the Conpol<sup>™</sup> Processing Additive Resins product information guide.

After processing Surlyn, purge the material out using a polyethylene resin, preferably with a lower melt flow rate than the Surlyn resin in use. The "Disco Purge Method" is suggested as the preferred purging method, as this method usually results in a more effective purging process. Information on the Disco Purge Method can be obtained via your DuPont Sales Representative.

Never shut down the extrusion system with Surlyn in the extruder and die. Properly purge out the Surlyn with a polyethylene, and shut down the line with polyethylene or polypropylene in the system.

FDA Status Information	Surlyn® 9910 resin complies with the provisions of U.S. Food and Drug Administration (FDA) Title 21 Code of Regulations 177:1330.
Safety & Handling	Surlyn® 9910 as supplied by DuPont are not considered hazardous materials. As with any hot material, care should be taken to protect the hands and other exposed parts of the body when handling molten polymer. At recommended processing temperatures, small amounts of fumes may evolve from the resins. When resins are overheated, more extensive decomposition may occur. Adequate ventilation should be provided to remove fumes from the work area. Disposal of scrap presents no special problems and can be by landfill or incineration in a properly operated incinerator. Disposal should comply with local, state, and federal regulations. Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls. For more detailed information on the safe handling and disposal of DuPont resins, a Material Safety Data Sheet can be obtained from the DuPont Packaging and Industrial Polymers website or by contacting your sales representative.

### Read and Understand the Material Safety Data Sheet (MSDS) before using this product

## 有关技术和销售资料请向下列地址联系索取:

联系人: 唐先生 13509239386 QQ: 13931677