Surlyn€ 8940

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DuPont Packaging & Industrial Polymers

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Surlyn€ 8940 is a sodium ionomer thermoplastic resin. It is available for use in conventional extrusion and injection equipment, to create various sheets or shapes.
Surlyn€ 8940 thermoplastic resin is an advanced ethylene/methacrylic acid (E/MAA) copolymer, in which the MAA acid groups have been partially neutralized with sodium ions.

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Ž • • ‘	FDA 21 CFR 177.1330(a)
’ “	” •

• – Š—	˜ ™ š	› œ •	ž Ÿ ¡
¢ £	0.950	g/cm•	ASTM D792, ISO 1183
¤ ¥ ¦ (¤ § ¥ ¨ © ¦) (190,C/2.16 kg)	2.8	g/10 min	ASTM D1238, ISO 1133
ª • « ¬	Sodium		

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® ¯ ° Š - NBS Index	370		ASTM D1630

± Š—	˜ ™ š	› œ •	ž Ÿ ¡
Freezing Point			
--	59	,C	ISO 3146
--	59	,C	ASTM D3418

² ³	˜ ™ š	› œ •	ž Ÿ ¡
´ µ ² ³ (¶ µ D)	65		ASTM D2240, ISO 868

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® · ¸ ³ (¹ º , 23,C)	33.0	MPa	ASTM D638, ISO 527-2
» ¼ ¦ (¹ º , 23,C)	470	%	ASTM D638, ISO 527-2
½ ¾ ¿ À			ASTM D790
-20,C	717	MPa	ASTM D790
23,C	350	MPa	ASTM D790
½ ¾ ¸ ³ (Á Â)	15.0	MPa	ASTM D790

Ã Š §	˜ ™ š	› œ •	ž Ÿ ¡
Ä º ¸ ³ (23,C)	1.48	kN/m	ASTM D624

Å Æ Š—	˜ ™ š	› œ •	ž Ÿ ¡
Ç È É Ê Ë Å Æ ¸ ³ (23,C)	1000	J/m	ASTM D256
Ì » Å Æ ¸ ³			ASTM D1822
-40,C	757	kJ/mƒ	ASTM D1822
23,C	1020	kJ/mƒ	ASTM D1822

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Í Î Ï ³	-106	,C	ASTM D746
Ð Ñ Ò Î Ï ³	63.0	,C	ASTM D1525, ISO 306
¤ Ó Ô š Ï ³	94.0	,C	ASTM D3418, ISO 3146

Õ Ö Š—	˜ ™ š	› œ •	ž Ÿ ¡
× ³ (6350 „m)	5.0	%	ASTM D1003

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Ú Û (¤ §) Ï ³	185 Ü 285	,C	