Surlyn€ 8320

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DuPont Packaging & Industrial Polymers

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Surlyn€ 8320 is a sodium ionomer thermoplastic resin. It is available for use in conventional extrusion and injection equipment, to create various sheets or shapes.Surlyn€ 8320 thermoplastic resin is an advanced ethylene/acid/acylate terpolymer, in which some of the MAA acid groups have been partially neutralized with sodium ions.

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‰ Š	Sodium Ionomer	‹ Œ •	Ž • , •
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– —	˜ ™		
š › œ •	ž Ÿ ¡ ¢ £	¤ ¥ ¢ £	

• ¦ Š §	¨ © ª	« ¬ -	® ¯ œ •
° ±	0.950	g/cm•	ASTM D792, ISO 1183
² ³ ´ (² “ ³ µ ¶ ´) (190,C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
· ™ ¸ £	Sodium		

¹ º Š §	¨ © ª	« ¬ -	® ¯ œ •
» ¼½ Š - NBS Index	61.0		ASTM D1630

¾ Š §	¨ © ª	« ¬ -	® ¯ œ •
Freezing Point			
--	38	,C	ISO 3146
--	38	,C	ASTM D3418

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¿ À Ž • (Á À D)	36		ASTM D2240, ISO 868

¹ º Š §	¨ © ª	« ¬ -	® ¯ œ •
» Â Ã •			
Ä Å, 23,C, ÆÇ ¢ £ [1]	3.10	MPa	ASTM D638
È É, 23,C	18.6	MPa	ASTM D638, ISO 527-2
Ê Ë ´ (È É, 23,C)	560	%	ASTM D638, ISO 527-2
Ì Í Æ Î (23,C)	30.3	MPa	ASTM D790

Ï Ð Š §	¨ © ª	« ¬ -	® ¯ œ •
Ñ Ê Ï Ð Ã • (23,C)	1270	kJ/mƒ	ASTM D1822

¾ Š §	¨ © ª	« ¬ -	® ¯ œ •
Ò Ó Ô Õ Ö •	47.0	,C	ASTM D1525, ISO 306
² × Ø ª Ö •	70.0	,C	ASTM D3418, ISO 3146

Ù Ú Š §	¨ © ª	« ¬ -	® ¯ œ •
Û • (6350 „m)	27	%	ASTM D1003

Ü Ý ‡ ˆ
Cation Type: Sodium

Þ ¤
1. ¸ £ 4, 50 mm/min