

Surlyn® 8020

DuPont Packaging & Industrial Polymers - Ethylene Methacrylic Acid

Monday, September 21, 2020

General Information

Product Description

DuPont™ Surlyn® 8020 is an ionomer of ethylene acid acrylate terpolymer.

This polymeric material can be processed in conventional extrusion and injection equipment designed to process polyethylene and ethylene copolymer type resins, to create various shapes and sheeting.

General			
Material Status	Commercial: Active		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	 Terpolymer 		
Uses	 Blow Molding Applications 	• Sheet	
Forms	 Pellets 		
Processing Method	Blow MoldingExtrusion	Injection MoldingSheet Extrusion	

ASTM & ISO Properties 1				
Nominal Value	Unit	Test Method		
0.952		ASTM D792		
0.950	g/cm³	ISO 1183		
1.0	g/10 min	ASTM D1238		
1.0	g/10 min	ISO 1133		
Sodium				
Nominal Value	Unit	Test Method		
4500	psi	ASTM D638		
4500	psi	ISO 527-2		
530	%	ASTM D638		
530	%	ISO 527-2		
14500	psi	ASTM D790		
150		ASTM D1630		
Nominal Value	Unit	Test Method		
		ASTM D1822		
415	ft-lb/in²			
630	ft-lb/in²			
Nominal Value	Unit	Test Method		
56		ASTM D2240		
56		ISO 868		
Nominal Value	Unit	Test Method		
-170	°F	ASTM D746		
142	°F	ASTM D1525		
142	°F	ISO 306		
180	°F	ASTM D3418		
180	°F	ISO 3146		
	Nominal Value 0.952 0.950 1.0 1.0 Sodium Nominal Value 4500 4500 530 530 14500 150 Nominal Value 415 630 Nominal Value 56 56 Nominal Value -170 142 142	Nominal Value Unit 0.952 0.950 g/cm³ 1.0 g/10 min 1.0 g/10 min Sodium Nominal Value Unit 4500 psi 4500 psi 530 % 530 % 14500 psi 150 Nominal Value Unit 415 ft-lb/in² 630 ft-lb/in² Nominal Value Unit Nominal Value Unit		



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Thermal	Nominal Value	Unit	Test Method
Freezing Point			
	153	°F	ASTM D3418
	153	°F	ISO 3146
Optical	Nominal Value	Unit	Test Method
Haze (250.0 mil)	19.0	%	ASTM D1003
	Processing Information		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	365 to 545	°F	

Notes

¹ Typical properties: these are not to be construed as specifications.