ENTEC Surlyn® 9520 DuPont Packaging & Industrial Polymers - Ethylene Methacrylic Acid

Monday, September 21, 2020

General Information

Product Description

DuPont[™] Surlyn[®] 9520 is an ionomer of ethylene acid copolymer.

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.

Commercial: Active		
 Africa & Middle East Asia Pacific	EuropeLatin America	North America
 Blow Molding Applications 	Sheet	
 FORD ESB-M4D330-A2 		
Pellets		
Blow MoldingExtrusion	Injection MoldingSheet Extrusion	
	 Africa & Middle East Asia Pacific Blow Molding Applications FORD ESB-M4D330-A2 Pellets Blow Molding 	 Africa & Middle East Asia Pacific Blow Molding Applications FORD ESB-M4D330-A2 Pellets Blow Molding Injection Molding

ASTM & ISO Properties ¹			
Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ISO 1133
lon Type	Zinc		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 73°F)	3700	psi	ASTM D638
Tensile Stress (Break, 73°F)	3700	psi	ISO 527-2
Tensile Elongation (Break, 73°F)	410	%	ASTM D638
Tensile Strain (Break, 73°F)	410	%	ISO 527-2
Flexural Modulus			ASTM D790
-4°F	95000	psi	
73°F	37700	psi	
Abrasion Resistance - NBS Index	290		ASTM D1630
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ASTM D1822
-40°F	490	ft·lb/in ²	
73°F	565	ft·lb/in ²	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Shore Hardness (Shore D)	60		ISO 868
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	165	°F	ASTM D1525
Vicat Softening Temperature	165	°F	ISO 306
Peak Melting Temperature	205	°F	ASTM D3418
Melting Temperature (DSC)	205	°F	ISO 3146



The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

Surlyn® 9520

DuPont Packaging & Industrial Polymers - Ethylene Methacrylic Acid

Thermal	Nominal Value	Unit	Test Method
Freezing Point			
	169	°F	ASTM D3418
	169	°F	ISO 3146
Optical	Nominal Value	Unit	Test Method
Haze (250.0 mil)	26.0	%	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.



The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.