

Eastman 9921P PET Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

Voridian PET 9921P is produced at Voridian's manufacturing sites in Rotterdam and Zarate, it is PTA/CHDM based, and it is sold to customers in the Europe, Middle East and Africa, Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, Paraguay, Peru, Uruguay and Venezuela. Voridian PET 9921P will be used primarily for thick wall applications such as refill bottles for water and carbonated soft drinks. Applications/Uses APET and thick sheet Beverage packaging Custom containers Thick wall containers Bottles Sealing layer for CPET trays Refillable bottles

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-9921P-PET-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.803 g/cc	0.0290 lb/in ³	Poured; ASTM D1895
	0.881 g/cc	0.0318 lb/in ³	Vibrated; ASTM D1895
Density	1.30 g/cc	0.0470 lb/in ³	Film; ASTM D1505
	1.40 g/cc	0.0506 lb/in ³	Crystalline Density; ASTM D1505
Melt Density	1.20 g/cc	0.0434 lb/in ³	ASTM D1238
	@Temperature 285 °C	@Temperature 545 °F	
Viscosity Measurement	0.78	0.78	Intrinsic; EMN-A-AC-G-V-1
	0.78 - 0.82	0.78 - 0.82	Pellet, Intrinsic; VGAS-A-AN-G-V-1
Thickness	250 microns	9.84 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	55.0 MPa	7980 psi	ASTM D882
Film Tensile Strength at Yield, TD	53.0 MPa	7690 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Film Elongation at Yield, MD	6.0 %	6.0 %	ASTM D882
Film Elongation at Yield, TD	6.0 %	6.0 %	ASTM D882
Tensile Modulus	2.00 GPa	290 ksi	TD; ASTM D882
	2.10 GPa	305 ksi	MD; ASTM D882
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180

Mechanical Properties	Metric 181 kJ/m ²	English 56.7 ft-lb/in ²	Comments
	@Temperature -40.0 °C	@Temperature -40.0 °F	ISO 180
Tear Strength, Total	92.0 N	20.7 lb (f)	PPT Tear Resistance, MD; ASTM D2582
	106 N	23.8 lb (f)	PPT Tear Resistance, TD; ASTM D2582
Elmendorf Tear Strength, MD	3.14 g/micron	79.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.236 g/micron	82.19 g/mil	ASTM D1922
Dart Drop	1.08 g/micron	27.4 g/mil	at -18°C; ASTM D1709
	1.876 g/micron	47.65 g/mil	23°C; ASTM D1709
Film Tensile Strength at Break, MD	60.0 MPa	8700 psi	ASTM D882
Film Tensile Strength at Break, TD	48.0 MPa	6960 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Heat of Fusion	61.0 J/g	26.2 BTU/lb	ASTM E793
Specific Heat Capacity	1.20 J/g-°C	0.287 BTU/lb-°F	ASTM E1269
	1.40 J/g-°C	0.335 BTU/lb-°F	ASTM E1269
	@Temperature 80.0 °C	@Temperature 176 °F	
	1.60 J/g-°C	0.382 BTU/lb-°F	ASTM E1269
	@Temperature 100 °C	@Temperature 212 °F	
	2.00 J/g-°C	0.478 BTU/lb-°F	ASTM E1269
	@Temperature 200 °C	@Temperature 392 °F	
	2.10 J/g-°C	0.502 BTU/lb-°F	ASTM E1269
	@Temperature 280 °C	@Temperature 536 °F	
Melting Point	239 °C	462 °F	Crystalline Peak Melting Point; ASTM D3418

Optical Properties	Metric	English	Comments
Haze	0.40 %	0.40 %	ASTM D1003
Gloss	111 %	111 %	at 45°; ASTM D2457
Transmission, Visible	90 %	90 %	Regular Transmittance; ASTM D1003
	92 %	92 %	Total Transmittance; ASTM D1003

Optical Properties	Metric	English	Comments
			COMPOUND M D1003
Descriptive Properties	Value		Comments
Acetaldehyde	<1ppm		VKCA-A-AS-G-GC-0001
Color, CIE a*	-0.02		VGAS-A-AN-G-RS-001
Color, CIE b*	0.37		VGAS-A-AN-G-RS-001
Color, CIE L*	96		VGAS-A-AN-G-RS-001
Fines, wt%, max	0.05		VGAS-A-AN-G-GA-1
Pellet Shape	Rectangular 2x2x3 mm		

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China