

Eastman Eastobond 19411 Copolyester, Film

Category : Polymer , Film , Thermoplastic , Polyester, TP

Material Notes:

Eastobond 19411 is a terephthalate-based copolyester which is amorphous. It offers excellent organoleptic and gas-barrier properties.

Eastobond 19411 has low postextrusion crystallinity and a low softening point, enabling heat-seal bonds to be achieved over a temperature range of 95°C to 205°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Eastobond-19411-Copolyester-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	Crystalline Density; ASTM D1505
Bulk Density	0.715 g/cc	0.0258 lb/in ³	ASTM D1895
Density	1.31 g/cc	0.0473 lb/in ³	Film Density; ASTM D1505
Melt Density	1.20 g/cc @Temperature 285 °C	0.0434 lb/in ³ @Temperature 545 °F	ASTM D1238
Water Vapor Transmission	39.0 g/m ² /day	2.51 g/100 in ² /day	ASTM F372
Oxygen Transmission	3.10 cc-mm/m ² -24hr-atm	7.87 cc-mil/100 in ² -24hr-atm	ASTM D3985
Carbon Dioxide Transmission	16.7 cc-mm/m ² -24hr-atm	42.4 cc-mil/100 in ² -24hr-atm	ASTM D1434
Viscosity Measurement	0.65	0.65	Inherent, Film; EMN-A-AC-G-V-1
	0.74	0.74	Inherent; EMN-A-AC-G-V-1
Thickness	50.0 microns	1.97 mil	ASTM D374

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	<= 5.0 %	<= 5.0 %	ASTM D638
Tensile Modulus	2.20 GPa	319 ksi	ASTM D882
Elmendorf Tear Strength, MD	0.600 g/micron	15.2 g/mil	ASTM D1922

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.15 J/g-°C	0.275 BTU/lb-°F	DSC
	1.60 J/g-°C	0.382 BTU/lb-°F	DSC

Thermal Properties	Metric ¹ g-°C	English ² BTU/lb-°F	Comments
	@Temperature 125 °C	@Temperature 257 °F	DSC
	2.00 J/g-°C	0.478 BTU/lb-°F	DSC
	@Temperature 200 °C	@Temperature 392 °F	
	2.15 J/g-°C	0.514 BTU/lb-°F	DSC
	@Temperature 290 °C	@Temperature 554 °F	
Thermal Conductivity	0.210 W/m-K	1.46 BTU-in/hr-ft²-°F	ASTM C177
Glass Transition Temp, Tg	51.0 °C	124 °F	ASTM D3418

Optical Properties	Metric	English	Comments
Haze	<= 0.50 %	<= 0.50 %	ASTM D1003
Gloss	95 %	95 %	at 45°; ASTM D2457
Transmission, Visible	90 %	90 %	Regular Transmittance; ASTM D1003

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