

Eastman Eastobond 19412 Copolyester, Film

Category : Polymer , Film , Thermoplastic , Polyester, TP

Material Notes:

Eastobond 19412 is a terephthalate-based copolyester. It is identical to our 19411 resin in every aspect, except that the 19412 has been crystallized for drying purposes and ease of handling. Eastobond 19412 may be dried in a desiccated drying system at 150 F. It offers excellent organoleptic and gas-barrier properties. Eastobond 19412 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-19412-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

Thermal Properties	Metric	English	DSC Comments
	1.80 J/g-°C	0.430 BTU/lb-°F	DSC
	@Temperature 125 °C	@Temperature 257 °F	
	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-ft ² -°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