

TAISOX 7350F

Ethylene Vinyl Acetate Copolymer
Formosa Plastics Corporation

Message:

TAISOX 7350F is an ethylene vinyl acetate copolymer (EVA) material. This product is available in North America, Europe or Asia Pacific.
The main features of TAISOX 7350F are:
Copolymer
Good processability
Good toughness
beautiful
Typical application areas include:
packing
Movie
cleaning application

General Information			
UL YellowCard	E54297-100051098		
Features	Copolymer		
	Optical		
	Workability, good		
	Good toughness		
	General		
Uses	Packaging		
	Films		
	General		
	Bathroom products		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
	38		
Durometer Hardness (Shore A)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	4.41	MPa	ASTM D638
Fracture	14.7	MPa	ASTM D638

Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	39.2	MPa	ASTM D790
Coefficient of Friction (Blown Film)	0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
Film Thickness - Recommended / Available	1.2-5.9 mil (30-150 μ)		
secant modulus			ASTM D882
1% secant, MD: 30 μm, blown film	34.3	MPa	ASTM D882
1% secant, TD: 30 μm, blown film	37.3	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 30 μm, blown film	3.92	MPa	ASTM D882
TD: Yield, 30 μm, blown film	2.94	MPa	ASTM D882
MD: Broken, 30 μm, blown film	27.5	MPa	ASTM D882
TD: Broken, 30 μm, blown film	24.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 μm, blown film	500	%	ASTM D882
TD: Broken, 30 μm, blown film	600	%	ASTM D882
Dart Drop Impact (30 μm, Blown Film)	650	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 30 μm, blown film	12	g	ASTM D1922
TD: 30 μm, blown film	29	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	60.0	°C	ASTM D1525
Melting Temperature	84.0	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 μm, Blown Film)	90		ASTM D2457
Haze (30.0 μm, Blown Film)	3.0	%	ASTM D1003

Additional Information

Film extrusion preparation parameters:

Screw: 60 mm

L/D: 30

Blow up ratio: 2.5

Temperature 160 to 200°C

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