TAISOX® 7350M

Ethylene Vinyl Acetate Copolymer

Formosa Plastics Corporation



Technical Data

Product Description

TAISOX® 7350M is an Ethylene Vinyl Acetate Copolymer (EVA) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of TAISOX® 7350M are:

- Chemical Resistant
- Copolymer
- Crosslinkable
- · Good Flexibility

Typical applications include:

- · Consumer Goods
- · Engineering/Industrial Parts
- Foam
- Sheet

General					
Material Status	 Commercial: Active 				
Search for UL Yellow Card	Formosa Plastics Corporation				
Availability	 Asia Pacific 	Europe	 North America 		
Features	Chemical ResistantCopolymer	CrosslinkableGood Flexibility	High Elasticity		
Uses	FoamFootwear	GasketsSheet			
Forms	 Pellets 				
Processing Method	Injection Molding				

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) 2.5 g/10 min 2.5 g/10 min ASTM D1236 Vinyl Acetate Content 18.0 wt% 18.0 wt% 18.0 wt% Mechanical Nominal Value (English) Nominal Value (SI) Test Method Tensile Strength ASTM D638 ASTM D638 Yield 640 psi 4.41 MPa Break 2130 psi 14.7 MPa Tensile Elongation (Break) 800 % 800 % Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method Durometer Hardness (Shore A) 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Vinyl Acetate Content 18.0 wt% 18.0 wt% Mechanical Nominal Value (English) Nominal Value (SI) Test Method Tensile Strength ASTM D638 Yield 640 psi 4.41 MPa Break 2130 psi 14.7 MPa Tensile Elongation (Break) 800 % 800 % ASTM D638 Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method Durometer Hardness (Shore A) 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Density	0.938 g/cm ³	0.938 g/cm ³	ASTM D1505
MechanicalNominal Value (English)Nominal Value (SI)Test MethodTensile StrengthASTM D638Yield640 psi4.41 MPaBreak2130 psi14.7 MPaTensile Elongation (Break)800 %800 %ASTM D638Flexural Modulus2130 psi14.7 MPaASTM D790HardnessNominal Value (English)Nominal Value (SI)Test MethodDurometer Hardness (Shore A)888888ASTM D2240ThermalNominal Value (English)Nominal Value (SI)Test MethodBrittleness Temperature-94.0 °F-70.0 °CASTM D746Vicat Softening Temperature140 °F60.0 °CASTM D1526Melting Temperature183 °F84.0 °C	Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5 g/10 min	2.5 g/10 min	ASTM D1238
Tensile Strength ASTM D638 Yield 640 psi 4.41 MPa Break 2130 psi 14.7 MPa Tensile Elongation (Break) 800 % 800 % Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method Durometer Hardness (Shore A) 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Vinyl Acetate Content	18.0 wt%	18.0 wt%	
Yield 640 psi 4.41 MPa Break 2130 psi 14.7 MPa Tensile Elongation (Break) 800 % 800 % ASTM D638 Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method Durometer Hardness (Shore A) 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Break 2130 psi 14.7 MPa Tensile Elongation (Break) 800 % 800 % ASTM D638 Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method Durometer Hardness (Shore A) 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Tensile Strength			ASTM D638
Tensile Elongation (Break) 800 % 800 % ASTM D638 Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Durometer Hardness (Shore A) 88 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Yield	640 psi	4.41 MPa	
Flexural Modulus 2130 psi 14.7 MPa ASTM D790 Hardness Nominal Value (English) Nominal Value (SI) Test Method 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1526 Melting Temperature 183 °F 84.0 °C	Break	2130 psi	14.7 MPa	
Hardness Nominal Value (English) Nominal Value (SI) Test Method 88 88 88 ASTM D2240 Thermal Nominal Value (English) Nominal Value (SI) Test Method Results Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C Injection Nominal Value (English) Nominal Value (SI)	Tensile Elongation (Break)	800 %	800 %	ASTM D638
Durometer Hardness (Shore A) * 88	Flexural Modulus	2130 psi	14.7 MPa	ASTM D790
Durometer Hardness (Shore A) Nominal Value (English) Nominal Value (SI) Test Method Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C	Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature -94.0 °F -70.0 °C ASTM D746 Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C Injection Nominal Value (English) Nominal Value (SI)	Durometer Hardness (Shore A)			ASTM D2240
Vicat Softening Temperature 140 °F 60.0 °C ASTM D1525 Melting Temperature 183 °F 84.0 °C Injection Nominal Value (English) Nominal Value (SI)	Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature 183 °F 84.0 °C Injection Nominal Value (English) Nominal Value (SI)	Brittleness Temperature	-94.0 °F	-70.0 °C	ASTM D746
Injection Nominal Value (English) Nominal Value (SI)	Vicat Softening Temperature	140 °F	60.0 °C	ASTM D1525
, , , , , , , , , , , , , , , , , , , ,	Melting Temperature	183 °F	84.0 °C	
Processing (Melt) Temp 302 to 356 °F 150 to 180 °C	Injection	Nominal Value (English)	Nominal Value (SI)	
	Processing (Melt) Temp	302 to 356 °F	150 to 180 °C	

Notes



Form No. TDS-83633-en

¹ Typical properties: these are not to be construed as specifications.

TAISOX® 7350M

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Formosa Plastics Corporation



Where to Buy

Supplier

Formosa Plastics Corporation Taipei, Taiwan Telephone: +886-2-2712-2211 Web: http://www.fpc.com.tw/

Distributor

Click Plastics AG

Click Plastics AG is a Pan European distribution company. Contact Click Plastics for availability of individual products by country. Telephone: +49-6251-770-690-0

Web: http://www.clickplastics.com

Availability: Germany