

# Provista™ Copolymer UVI

Thermoplastic Polyester  
Eastman Chemical Company

Message:

Eastman Provista™ UVI is a copolymer with an indoor/outdoor UV package added to prevent yellowing caused by light. Eastman Provista™ copolymer is a resin specifically developed for extrusion into profiles where aesthetics like high clarity and gloss, coupled with design flexibility drive demand. Compared to commonly used materials, Eastman Provista™ copolymer can often run on most standard processing equipment at increased speeds. An extremely high melt strength makes the resin an excellent choice when extruding profiles into complicated shapes. This product is certified to ANSI/NSF Standard 51.

This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®.

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This product has been CRADLE TO CRADLE CERTIFIED Silver.

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General Information	
UL YellowCard	E118289-101981961
Additive	UV Stabilizer
Features	Copolymer
	Good Chemical Resistance
	Good Flexibility
	Good Melt Strength
	Good Processability
	Good UV Resistance
	High Clarity
	High Gloss
Uses	Decorative Displays
	Food Packaging
	Furniture
	Medical/Healthcare Applications
	Outdoor Applications
	Packaging
	Personal Care
	Profiles
	Tubing

Agency Ratings	NSF 51		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Color - b <sup>1</sup>	0.61		ASTM D2244
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	50.0	MPa	
Break, 23°C	29.0	MPa	
Tensile Elongation			ASTM D638
Yield, 23°C	4.0	%	
Break, 23°C	110	%	
Flexural Modulus (23°C)	2200	MPa	ASTM D790
Flexural Strength (23°C)	72.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>2</sup>			ASTM D256
-40°C	52	J/m	
23°C	94	J/m	
Unnotched Izod Impact			ASTM D4812
-40°C	No Break		
23°C	No Break		
Instrumented Dart Impact			ASTM D3763
-40°C, 3.18 mm, Injection Molded, Energy at Peak Load, Ductile Failure	41.0	J	
0°C, 3.18 mm, Injection Molded, Energy at Peak Load, Ductile Failure	37.0	J	
23°C, 3.18 mm, Injection Molded, Energy at Peak Load, Ductile Failure	33.0	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	67.0	°C	
1.8 MPa, Unannealed	62.0	°C	
Vicat Softening Temperature	79.0	°C	ASTM D1525 <sup>3</sup>
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	171		ASTM D2457
Transmittance			ASTM D1003
Total	90.0	%	
Regular	88.0	%	
Haze	0.60	%	ASTM D1003
NOTE			

1.	CIELAB, Illuminant D6500, 10° Observer
2.	0.51 mm Notch Depth
3.	Loading 1 (10 N)

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#### Recommended distributors for this material

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