Provista™ Copolymer UVO

Thermoplastic Polyester

Eastman Chemical Company

Message:

Eastman Provista™ UVO 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®.
The GREENGUARD INDOOR AIR QUALITY CERTIFIED® Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute (GEI). GEI is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program. The GREENGUARD Certification Program is an industry independent, third-party testing program for low-emitting products and materials for indoor environments. For more information about GEI and to obtain printable certificates for Eastman™ Copolyesters, visit www.greenguard.org. Choose Eastman Chemical Company under the Manufacturer category and click search to display a list of our products.

General Information	
UL YellowCard	E118289-101981962
Additive	UV Stabilizer
Features	Good Chemical Resistance Good Flexibility Good Melt Strength Good Processability Good Toughness Good UV Resistance High Clarity High Gloss
Uses	Cosmetics Decorative Displays Food Packaging Furniture Medical/Healthcare Applications Outdoor Applications Packaging Personal Care Profiles Tubing
Agency Ratings	FDA Food Contact, Unspecified Rating NSF 51
Forms	Pellets

Processing Method	Profile Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.27	g/cm³	ASTM D792
Color - b [1]	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 [2]			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 [3]
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)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China