Cadence™ GS3

Copolyester

Eastman Chemical Company

Message:

Eastman Cadence™ GS3 is a high-melt-strength amorphous copolyester for film calendering. Calendered films made of Eastman Cadence™ copolyesters are non-crystallizing, are halogen-free, offer wide calendering and thermoforming windows and have good low-temperature toughness. They are cooperative in secondary operations such as solvent-bonding, lamination, decoration, cold-forming, punching/cutting and embossment.
Eastman Cadence™ resins require no pre-drying or additional stabilizers.
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.
This product has been CRADLE TO CRADLE CERTIFIED Silver.
The CRADLE TO CRADLE CERTIFIED Mark is a registered certification mark used under license through McDonough Braungart Design Chemistry (MBDC). MBDC is a global sustainability consulting and product certification firm. The CRADLE TO CRADLE® framework moves beyond the traditional goal of reducing the negative impacts of commerce ('eco-efficiency'), to a new paradigm of increasing its positive impacts ('eco-effectiveness'). At its core, Cradle to Cradle design perceives the safe and productive processes of nature's 'biological metabolism' as a model for developing a 'technical metabolism' flow of industrial materials. Product components can be designed for continuous recovery and reutilization as biological and technical nutrients within these metabolisms. For more information about MBDC and to obtain printable certificates for Eastman Copolyesters, visit www.mbdc.com. Choose Eastman Chemical Company under Company Name in C2C Certified products to display a list of our products.

General Information	
Features	Amorphous
	Good Melt Strength
	Halogen Free
	Low Temperature Toughness
Uses	Bags
	Film
	Flooring Maintenance/Repair
	Furniture
	Labels
	Laminates
	Packaging
	Shrink Wrap
Forms	Pellets
Processing Method	Calendering
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm³	ASTM D1505
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570

Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	69.0	°C	
1.8 MPa, Unannealed	62.0	°C	
Glass Transition Temperature	80.0	°C	DSC
Vicat Softening Temperature	81.0	°C	ASTM D1525
CLTE - Flow (23°C)	4.2E-5	cm/cm/°C	ASTM D696
Specific Heat			DSC
60°C	1300	J/kg/°C	
100°C	1700	J/kg/°C	
150°C	1800	J/kg/°C	
200°C	2000	J/kg/°C	
250°C	2100	J/kg/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.3E+16	ohms	ASTM D257
Volume Resistivity (23°C)	7.1E+16	ohms·cm	ASTM D257
Dielectric Strength [1] (23°C)	15	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
23°C, 1 kHz	2.54		
23°C, 1 MHz	2.43		
Dissipation Factor			ASTM D150
23°C, 1 kHz	0.025		
23°C, 1 MHz	0.019		
Arc Resistance	135	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863
NOTE			
1.	500 V/sec, Method A (Short-Time)		

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