Product Data Sheet

Eastman Cadence™ Copolyester GS5

Application/Uses

- Appliance films
- Architectural laminates
- Automotive films
- Bags
- Decorative laminates
- Electronic laminates
- Floor coverings
- Furniture/Furniture trim
- Labels
- Outdoor films
- Packaging
- Printable films
- Shrink film
- Transaction cards
- Transportation laminates
- Wall coverings

Product Description

Eastman Cadence™ GS5 is an amorphous copolyester with improved processability for film calendering. Calendered films made of Eastman Cadence™ copolyester 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^{cm} Silver.
The CRADLE TO CRADLE CERTIFIED^{cm} 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.

Typical Properties

Property[a]	Test[b] Method	Typical Value, Units[c]
Calendar Film: Clear (Unpigmented)		
Specific Gravity	D 792	1.27
Tensile Strength @ Break		
M.D.	D 882	50 MPa (7200 psi)
T.D.	D 882	48 MPa (7000 psi)
Tensile Modulus, Tangent		
M.D.	D 882	1870 MPa (2.7 x 10^5 psi)
T.D.	D 882	1825 MPa (2.6 x 10^5 psi)
Tensile Modulus, 1% Secant		
M.D.	D 882	1800 MPa (2.6 x 10^5 psi)
T.D.	D 882	1760 MPa (2.6 x 10^5 psi)
Brittleness Temperature by Impact [d]	D 1790	-45°C (-49°F)
Durometer Hardness		
Shore A Scale	D 2240	83
Shore D Scale	D 2240	73
Calendar Film: Opaque White (Pigmented with TiO2)		
Specific Gravity [e]	D 792	1.42
Tensile Strength @ Break		
M.D.	D 882	47 MPa (6800 psi)
T.D.	D 882	45 MPa (6500 psi)
Tensile Modulus, Tangent		
M.D.	D 882	2050 MPa (3.0 x 10^5 psi)
T.D.	D 882	2050 MPa (3.0 x 10^5 psi)
Tensile Modulus, 1% Secant		
M.D.	D 882	2000 MPa (2.9 x 10^5 psi)
T.D.	D 882	1950 MPa (2.9 x 10^5 psi)
Brittleness Temperature by Impact [d]	D 1790	-40°C (-40°F)
Durometer Hardness		
Shore A Scale	D 2240	86
Shore D Scale	D 2240	74

[a] *Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.*

[b] *Unless noted otherwise, the test method is ASTM.*

[c] *Units are in SI or US customary units.*

[d] *Data shown indicate test temperature at which all specimens break.*

[e] *Dependent upon colorant, fillers, etc.*

General

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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