

Cadence™ GS5

Copolyester
Eastman Chemical Company

Message:

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®.

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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			
Additive	Mold Release		
Features	Amorphous		
	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
Specific Gravity			ASTM D792
-- 1	1.27	g/cm³	
-- 2	1.42	g/cm³	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 23°C ³	83		
Shore A, 23°C ⁴	86		
Shore D, 23°C ⁵	73		
Shore D, 23°C ⁶	74		
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD ⁷	1800	MPa	
1% Secant, MD ⁸	2000	MPa	
Tangent, MD ⁹	1870	MPa	
Tangent, MD ¹⁰	2050	MPa	
1% Secant, TD ¹¹	1760	MPa	
1% Secant, TD ¹²	1950	MPa	
Tangent, TD ¹³	2050	MPa	
Tangent, TD ¹⁴	1830	MPa	
Tensile Strength			ASTM D882
MD : Break ¹⁵	47.0	MPa	
MD : Break ¹⁶	50.0	MPa	
TD : Break ¹⁷	48.0	MPa	
TD : Break ¹⁸	45.0	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
-- ¹⁹	-45.0	°C	ASTM D746
-- ²⁰	-40.0	°C	ASTM D1790
NOTE			
1.	Clear		
2.	Opaque White (Pigmented with TiO2)		
3.	Clear		
4.	Opaque White (Pigmented with TiO2)		
5.	Clear		
6.	Opaque White (Pigmented with TiO2)		
7.	Clear		
8.	Opaque White (Pigmented with TiO2)		
9.	Clear		
10.	Opaque White (Pigmented with TiO2)		
11.	Clear		
12.	Opaque White (Pigmented with TiO2)		

13.	Opaque White (Pigmented with TiO ₂)
14.	Clear
15.	Opaque White (Pigmented with TiO ₂)
16.	Clear
17.	Clear
18.	Opaque White (Pigmented with TiO ₂)
19.	Clear
20.	Opaque White (Pigmented with TiO ₂)

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