

Cadence™ GS5

Copolyester

Eastman Chemical Company

Описание материалов:

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 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.

| Главная Информация | | | |
|--------------------|--|-------------------|-----------------|
| Добавка | Пресс-форма | | |
| Характеристики | Аморфный | | |
| | Без галогенов | | |
| | Прочность при низкой температуре | | |
| Используется | Сумки | | |
| | Пленка | | |
| | Обслуживание/ремонт напольных покрытий | | |
| | Мебель | | |
| | Этикетки | | |
| | Ламинаты | | |
| | Упаковка | | |
| | Термоусадочная пленка | | |
| Формы | Гранулы | | |
| Метод обработки | Каландрирование | | |
| | Термоформовка | | |
| Физический | Номинальное значение | Единица измерения | Метод испытания |

| | | | |
|--------------|------|-------------------|-----------|
| Удельный вес | | | ASTM D792 |
| -- 1 | 1.27 | g/cm ³ | |
| -- 2 | 1.42 | g/cm ³ | |

| Твердость | Номинальное значение | Единица измерения | Метод испытания |
|----------------------------|----------------------|-------------------|-----------------|
| Твердость дюрометра | | | 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 | | |

| Пленки | Номинальное значение | Единица измерения | Метод испытания |
|-----------------------------|----------------------|-------------------|-----------------|
| Сектантный модуль | | | 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 | |

| | | | |
|--------------------------|------|-----|-----------|
| Прочность на растяжение | | | 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 | |

| Тепловой | Номинальное значение | Единица измерения | Метод испытания |
|----------------------|----------------------|-------------------|-----------------|
| Температура ломкости | | | |
| -- 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 TiO2) |
| 14. | Clear |
| 15. | Opaque White (Pigmented with TiO2) |
| 16. | Clear |
| 17. | Clear |
| 18. | Opaque White (Pigmented with TiO2) |
| 19. | Clear |
| 20. | Opaque White (Pigmented with TiO2) |

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