

## Eastman Cadence™ GS5 Clear (Unpigmented) Copolyester for film calendering

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

### Material Notes:

Eastman Cadence™ copolyester, for calendered films, is a specialty plastic developed to meet the demand for an environmentally responsible material for the calendering industry. Available in different grades, it features ease of processing, high-melt strength, aesthetics, clarity and gloss. Benefits Can be used on existing calendering lines with no or minimal modification. No drying is needed prior to the calendering process. Good thermal stability during normal calendering process conditions. No corrosive degradation products are normally formed. Easy to emboss for added texture and dimensions with standard engraved rolls. Easy to decorate using offset lithography, flexographic, and screen-printing processes. Thermoforms easily and is compatible with commercial adhesives used in lamination processes Environmentally responsible material. Product description: Eastman Cadence GS5 is an amorphous copolyester with improved processability 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. 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 Reported typical properties are preliminary. Information was provided by Eastman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eastman-Cadence-GS5-Clear-Unpigmented-Copolyester-for-film-calendering.php](http://www.lookpolymers.com/polymer_Eastman-Cadence-GS5-Clear-Unpigmented-Copolyester-for-film-calendering.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Hardness, Shore D	73	73	ASTM D2240
Secant Modulus, MD	1.87 GPa	271 ksi	Tangent; ASTM D882
Secant Modulus, TD	1.825 GPa	264.7 ksi	Tangent; ASTM D882
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM D882
Film Tensile Strength at Break, TD	48.0 MPa	6960 psi	ASTM D882
1% Secant Modulus, MD	1800 MPa	261000 psi	ASTM D882
1% Secant Modulus, TD	1760 MPa	255000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-45.0 °C	-49.0 °F	by Impact; ASTM D1790

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Greenguard Indoor Air Quality Certified	yes	

## Contact Songhan Plastic Technology Co.,Ltd.

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