



C E T F I L M S
A NEKOOSA COMPANY

CLARICAP™ PETg

TECHNICAL DATA SHEET

ClariCap™ PETg is a high clarity, cast extruded, interior grade capping film that is a fantastic alternative to PVC. 100% recyclable, the resin in ClariCap PETg films is Cradle to Cradle Certified™ – Silver and GreenGuard Indoor Air Quality Certified®.

- **Appearance:** Clear, transparent, translucent and opaque colors available.
- **Characteristics:** .003" (75 μ) to .020" (500 μ) thickness available. Up to 64.5" (1638 mm) wide. Multiple gloss/textures available. Excellent impact strength, no stress whitening, exceptional clarity and transparency, printable, thermoformable.
- **Applications:** Printed commercial interiors, architectural laminates, furniture trim.

Typical Properties (Average Values)

Property	Value	Units	Test Method
Physical			
Specific Gravity, 73°F	1.28	–	ASTM D1505
Coefficient of Linear Thermal Expansion @ -22°F to 86°F	4.27E-5/°F	in / in °F	ASTM D696
Water Absorption, 24 hr & 73°F (Immersion)	0.15	%	ASTM D570
Oxygen Index, 73°F	24.1	%	ASTM D2863
Optical			
Light Transmission (3mm thick)	91	%	ASTM D1003
Haze	<1.0	%	ASTM D1003
Mechanical			
Tensile Strength @ Yield	6900 (50)	psi (MPa)	ASTM D638
Tensile Strength @ Break	7700 (28)	psi (MPa)	ASTM D638
Elongation @ Yield	5	%	ASTM D638
Elongation @ Break	130	%	ASTM D638
Tensile Modulus	2.6 x 10 ⁵ (2200)	psi (MPa)	ASTM D638
Impact Strength Unnotched @ 23°C (73°F)	No Break	–	ASTM D4812
Impact Strength Unnotched @ -30°C (-22°F)	No Break	–	ASTM D4812
Thermal			
Heat Deflection Temp. @66psi (0.455MPa)	160 (71)	°F (°C)	ASTM D648
Heat Deflection Temp. @264psi (1.8MPa)	147 (64)	°F (°C)	ASTM D648
Glass Transition Temp.	180 (82)	°F (°C)	DSC
Vicat Softening Temperature	178 (81)	°F (°C)	ASTM D1525
Electrical			
Volume Resistivity	3.32E+16	ohm cm	ASTM D257
Dielectric Strength (500V/sec rate)	396 (15.6)	V/mil (kV/mm)	ASTM D149
Dielectric Constant (1 MHz)	2.62	–	ASTM D150
Dissipation Factor (1 MHz)	0.020	–	ASTM D150

1 Annealing cycle: 4hrs @ 176°F

The values presented are intended to provide a representative sampling of the material provided. Data given are average values and should not be used for specification purposes. CET Films makes no representation on suitability and performance of the product for any given application. Purchaser is responsible for determining suitability and performance within their process. Nothing herein waives any of the Seller's conditions of sale.