



**C E T F I L M S**  
A NEKOOSA COMPANY

# CLARICAP™ ACRYLIC

## TECHNICAL DATA SHEET

ClariCap™ Acrylic is a cast extruded, impact modified and UV stabilized acrylic (PMMA) interior/exterior grade of capping film. Extruded acrylic printable and bondable capping films deliver superior color depth, surface uniformity and durability.

- **Appearance:** Clear/transparent, translucent and opaque colors available. Multiple gloss/textures available.
- **Characteristics:** .003" (75 μ) standard thickness available. Up to 64.5" (1638 mm) wide. Exterior grade, excellent UV resistance, excellent scratch resistance, exceptional clarity, printable, thermoformable. 002" (50 μ) to .020" (500 μ) thickness available.
- **Applications:** Shower/tub surrounds, RV & mobile homes, printed decorative surfaces, automotive after-market, POP/display, thermoformed products.

### Typical Properties (Average Values)

Property	Value	Units	Test Method
<b>Physical</b>			
Specific Gravity (23°C)	1.16	–	ASTM D792
Average Melt Flow Rate (3.8/230)	0.8	g/10 min	ASTM D1238
Mold Shrinkage	0.3-0.8	%	ASTM D955
Yield	0.4	ft <sup>2</sup> /lb	–
<b>Optical</b>			
Luminous Transmittance	1.49	%	ASTM D1003
Haze	90	%	ASTM D1003
<b>Mechanical</b>			
Tensile Strength	5,500	psi (MPa)	ASTM D638
Elongation	50	%	ASTM D638
Tensile Modulus	270,000	psi (MPa)	ASTM D790
Flexural Strength	10,300	psi (MPa)	ASTM D638
<b>Impact</b>			
Izod Impact Str., Notched, 1/4"	5,500	ft-lb/in (J/M)	ASTM D256
Falling Weight (1/8")	50	in-lb (J)	ASTM D3029 GB
<b>Thermal</b>			
Heat Deflection Temp. Under Load	192	°F (°C)	ASTM D648 (264 ps)
Vicat Softening Temperature	175	°F (°C)	ASTM D1525 (Rate A)
<b>Weatherability</b>			
–	F2 for UV Exposure	–	UL746C

1 Annealing cycle: 4hrs @ 176°F

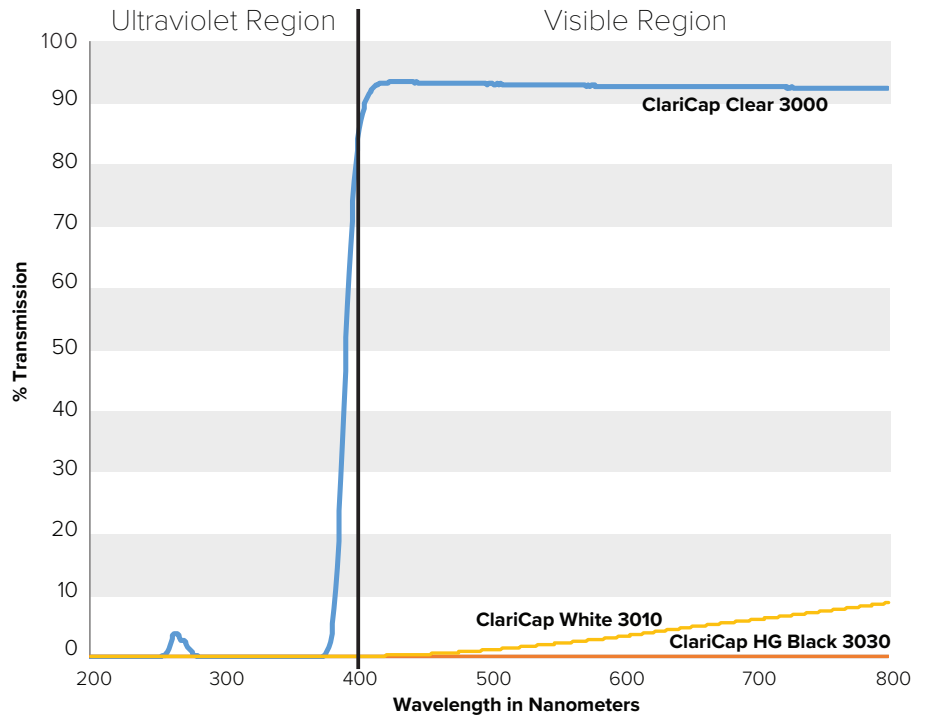
The values presented are intended to provide a representative sampling of the material provided. Data given are average values and should not be used for specification purposes. CET Films makes no representation on suitability and performance of the product for any given application. Purchaser is responsible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

## CHEMICAL RESISTANCE TO SOLVENTS

ASTM D-543-06, Practice A, Section II, Procedure I, 7 days immersion at 75°F.

Solvents	Results
Ethyl Alcohol (10%)	Swollen
Iso-Octane	No Change
Gasoline	No Change
JP-4 Jet Fuel	No Change
Motor Oil (SAE-30, ASTM #3)	No Change
Ethyl Acetate	Dissolved
Toluene	Dissolved
Sulfuric Acid (30%)	No Change
Nitric Acid (10%)	No Change

## PERCENT UV TRANSMISSION



## ABRASION TESTING - CLARICAP VS COMPETITOR

ASTM D4060-14

	Test Number	Initial Weight (mg)	Final Weight (mg)	Weight Loss (mg)	Wear Index
<b>CET ClariCap™ 3010 HG White</b>	1	36393.9	36357.0	36.9	37
	2	36559.7	36525.4	34.3	34
	3	36682.1	36651.7	30.4	30
			<b>Average</b>	<b>33.9</b>	<b>34</b>
			<b>Range</b>	<b>6.5</b>	<b>6.5</b>
<b>Competitor White</b>	1	35620.9	34508.8	112.1	112
	2	34766.1	34646.1	120.0	120
	3	34868.7	34732.4	136.3	136
			<b>Average</b>	<b>122.8</b>	<b>123</b>
			<b>Range</b>	<b>24.2</b>	<b>24.2</b>

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