



## PRODUCT BULLETIN

# AROPLAZ® 6126-Z-65

## Polyester

### DESCRIPTION

AROPLAZ® 6126-Z-65 is a linear saturated polyester for flexible melamine crosslinked baking enamels.

### FEATURES & BENEFITS

- Offers excellent flexibility with minimal post-cure (0T initial, 0-1T after 16 hours at 120°F on treated aluminum)
- Offers good QUV gloss retention and Xenon weatherometer gloss retention
- Retains color and gloss on high temperature bakes

### PROPERTIES - LIQUID

Percent Solids, Weight	64 – 66
Percent Solids, Volume	57.2 approx.
Viscosity at 25°C	
Stokes	63 – 96
Gardner-Holdt	Z <sub>4</sub> – Z <sub>5</sub>
Color, Gardner	3 max.
Hydroxyl Value, Solids	25 – 50
Acid Value, Solids	10 max.
Pounds per Gallon, Solution	9.05 – 9.15
Pounds per Gallon, Solids	10.4 approx.
Specific Gravity, 25/25°C	1.095 approx.
Flash Point (SFCC), Typical	138°F
Solvent	Aromatic 150 (100%)

### APPLICATIONS

- Coil coating applications requiring high flexibility

### SHELF LIFE & STORAGE

Store in a cool, dry place, preferably under 80°F to ensure a useful shelf life of at least one year.

### SAFETY & WARRANTY

To receive a copy of our safety and warranty information, please email [safetyandwarranty@polynt.com](mailto:safetyandwarranty@polynt.com).

#### AROPLAZ® 6126-Z-65

Polynt Composites USA Inc. | +1 800 322 8103 | 99 East Cottage Avenue, Carpentersville, IL 60110 USA

[www.polynt.com](http://www.polynt.com)

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## SUGGESTED FORMULATION

### White Coil Coating Enamel 2549-47B

Lbs.	Gals.	Material	Supplier
188.51	20.67	AROPLAZ® 6126-Z-65	
36.43	4.94	Hi-Sol 15/Aromatic 150	1
36.43	4.61	Ethyl 3, Ethoxy Propionate, EEP	2
364.35	10.94	Titanox 2160	3

#### Analysis:

1.00	Pigment/Binder Ratio
64.84	Pigment Solids, Weight
46.99	Pigment Solids, Volume
72	Viscosity, No. 4 Ford Cup, Seconds
3.99	VOC, Pounds per Gallon, Calculated

Disperse to a 7+ Hegman N.S.:

293.14	32.14	AROPLAZ® 6126-Z-65	
54.65	5.47	Cymel 303	4
1.81	0.22	Cycat 4040	4
80.79	10.95	Hi-Sol 15/Aromatic 150	1
73.66	9.31	Ethyl 3, Ethoxy Propionate, EEP	2
6.08	0.76	Coroc A-620-A2	
<b>1154.97</b>	<b>101.45</b>	<b>TOTAL</b>	

#### Suppliers:

1) Ashland	3) Kronos
2) Eastman	4) Allnex

## TYPICAL PERFORMANCE DATA

#### Baked Film Properties

0.7 -- 0.9 Mil Dry Film of White Enamel on  
24 Gauge Bonderite 721  
Aluminum Baked 30 Seconds at 650°F,  
P.M.T. 435°F Approximate

Pencil Hardness	F – H
Tukon Hardness	13
T-Bend	O – T
Gloss 60°	90 – 95
MEK Double Rubs	100 + Softening
Dry Heat, 16 Hours at 120°F	O – T
Boiling Water, 2 Minutes	O – 1T

#### Solvent Tolerance

Aromatic 150	Hazes at 55% Non-Volatile
Esters	Excellent
Ketones	Excellent

#### Film Compatibility

Percent Modifier on Total Solids

#### Melamine Resin

Cymel 303 (Allnex)	0 – 50
Resimene 747 (Ineos)	0 – 50
UFORMITE® 27-806 (BIP)	0 – 50
SUPER BECKAMINE® 27-568 (BIP)	0 – 50

#### Epoxy

EPOTUF® 38-505	All Ratios
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#### Polyester

AROPLAZ® 6768-XA4	0 – 50
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#### Alkyd

AROPLAZ® 6232-A4-85	0 – 10
AROPLAZ® 6235-Y1-90	0 – 25
<b>Nitrocellulose</b> (Hercules)	0 – 50

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