

Disco ET Series



APPLICATIONS LIST FOR THE DISCO ET SERIES

1. INJECTION MOLDING - POWDER COATING
2. Boating and other Fiberglass or Gelcoat applications: Boats, Carnival Ride Cars, Pre-fab Domes for Churches
3. Fishing Lures
4. Makeup (Cosmetics): Nail Polish, Body Creams and Lotions, Hairspray
5. Crayons
6. Finger Paints (coated silver)
7. Fabric Adhesives for decorating clothing (permanent): Clothing, Sneakers
8. T-Shirts (silk screened), mixed with Plastisol (.008 is most popular size)
9. Clown Makeup (for Costume Companies & Halloween)
10. Ceramics (after firing)
11. Christmas Ornaments and Decorations
12. Inks & Paints
13. Clear Adhesives (for children's use, can be washed off)
14. Glitter Pens (mixed with adhesive)
15. Rubber Stamp Kits
16. Fabric Printing (Flocking)

- 17. Hair Gels
- 18. Floral Decorations (Artificial, Dry, Live)
- 19. Candle Decorating
- 20. Flooring
- 21. Wallpaper
- 22. Posters & Displays
- 23. Inside Balloons
- 24. Greeting Cards

The Disco ET series is used for applications that require better heat and solvent stability than standard Iridescent Film products.

TECHNICAL DATA - DISCO ET SERIES

Available Colors	Nominal Dominant Wavelength (nm)	Nominal Thickness (mils/microns)	Nominal Yield (sq. in./lb)
VET	465	1.1/28	22,000
BET	485	1.2/30	20,000
GET	555	1.3/33	18,000
ZET	590	1.4/36	16,000

Property	Nominal Value
1. Specific Gravity	1.32
2. Color Shift Temperature	380° F/193° C
3. Color Loss Temperature	450° F/232° C

Solvent Resistance

Challenge Solvent	Time to initial Change	Immersion Time			Color Recovery
		5 min	24 Hours	7 Days	
Alcohols (Ethanol, Isopropanol)	N/A	N	N	N	N/A
Aliphatic Hydrocarbons (Hexane, Naphtha)	N/A	N	N	N	N/A
Aromatic Hydrocarbons (Benzene, Toluene)	48 Hours	N	N	CS	Excellent
Ketones (Acetone, MEK)	3 Hours	N	CC	CC	Excellent
Esters (Butyl Acetate, Ethyl Acetate)	5 Hours	N	CC	CC	Excellent
Fully Halogenated Hydrocarbons (Carbon Tet., Perchlorethylene)	N/A	N	N	N	N/A
Partially Halogenated Hydrocarbons (Ethylene Dichloride, Trichloroethylene)	< 5 min	CS	CC	CC	Fair

Key:

N - No Change

CS - Color Shift (Sample has started to change color due to solvent immersion)

CC - Color Change (Total color change due to solvent immersion)

CL - Color Loss

Color Recovery: The appearance of the material after removal from solvent immersion and the sample has dried.

Excellent - Material recovers to initial appearance

Good - Color recovery with some color shift

Fair - Some color recovery with significant color shift

None - No color recovery

Color Loss - Material loses iridescent color upon removal from solvent

The above information is given for guidance only. While it is based on scientific evaluation, and is believed to be reliable, Glitterex Corporation makes no warranties, whether expressed or implied, including warranties of merchantability and of fitness for a particular purpose for these products, since among other reasons the conditions of storage and use are beyond our control. No statements or recommendations contained herein are to be construed as inducements to infringe any patent.

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