



Description: Transcolor (Colored PVC Film) is a PVC (vinyl) film that is an economical solution to many plastic film applications. Clear-Lay™ combines many of the handling features of Acetate with the stability of Mylar. It is perfect for thermoforming, die cutting, welding, gluing, and folding applications. Its properties make it ideal for overlays, stencils and protective coverings. No surface treatment is necessary for screen printing, hot stamping, solvent inkjet printing, or adhesive bonding.

Features:

Dimensional Stability	Lay Flat	Printable	Moisture and Oil Resistant
Good Clarity, High Gloss	Acid Free	Contains No Plasticizers	Easily Fabricated

Finishes:

Transparent Colors: Red, Yellow, Blue, Green

Physical Properties:

<i>Property</i>	<i>ASTM Method</i>	<i>Unit</i>	<i>Value</i>
Specific Gravity	D-792	—	1.35
Tensile Strength	D-882	psi	5,100
Elongation	D-882	%	70
Tensile Modulus	D-638	psi	360,00
Izod Impact Strength	D-638	ft. -lb/in	1.1
Tear Strength	D-1004	lb/in	500
Water Absorption	D-570	%	.04
Failing Dart Impact (.010)	—	in-lb, lb/mil	1.4
Flexural Yield Strength	—	psi	10,000

Optical

Transmittance	D-1003	%	89
Haze	D-1003	%	1.9

Thermal

DTUL @264psi	D-648	°F	152.6
Heat Sealing Range	—	°F	290-310
Flammability	(UL-94)	Rating	94 V-0
Thermal Range	—	°F	250
Brittleness Temperature	—	°F	-30

Electrical

Dielectric Strength	D-149	volts/mil	350
Dielectric Constant 60Hz	D-150	—	3.2-4.2

Chemical

PVC Films are resistant to strong acids, alkalis, most oils, fats and alcohol. In general, aromatics, hydrocarbons, ketones, and esters will cause swelling.