JETVIEW UV INKJET

TEKRA®

Wide Format UV Inkjet Media

Product Data

JetView™ Velvet/Gloss Polycarbonate for UV Inkjet

Product Description

JetView Polycarbonate is optimized for UV Inkjet printers. This is a one side velvet, one side gloss transparent film that has Tekra's proprietary UV Inkjet print receptive coating on the gloss side for enhanced UV ink adhesion. Our coating is guaranteed to print for one year after purchase when stored at less than 72˚F and less than 50% relative humidity.

Typical Applications

Point-of-purchase signs, displays, industrial graphics, membrane touch switch overlays, labels, and name-

Typical Property Values

Property	ASTM Test Method	Units (USCS)	Value	ISO Test Method	Units (SI)	Value
Mechanical						
Tensile Strength						
@Yield	ASTM D882	psi	8500	ISO 527	MPa	62
Ultimate	ASTM D882	psi	9000	ISO 527	MPa	65
Tensile Modulus	ASTM D882	psi	300000	ISO 527	MPa	2506
Tensile Elongation at Break	ASTM D882	%	100-160	ISO 527	%	100-154
Gardner Impact Strength at 0.03 in. (0.75 mm)	ASTM D3029	ft-lb	23	ISO 6603-1	J	31
Tear Strength						
Initiation	ASTM D1004	lb/mil	1.4-1.8		kN/m	245
Propogation	ASTM D1922	g/mil	30-55		kN/m	10-20
Puncture Resistance (Dynatup)	ASTM D3763	ft-lb	9		J	12
Fold Endurance (MIT)						
0.010 inch (0.25 mm)	ASTM D2176-69	double folds	130			
0.020 inch (0.50 mm)	ASTM D2176-69	double folds	35			

Thermal						
Coefficient of Thermal Conductivity	ASTM D5470	Btu/hr/ft²/°F/in	1.35		W/m°K	0.2
Coefficient of Thermal Expansion	ASTM E831	(x 10^{-5}/°F)	3.2	ISO 11359	(x 10^{-5}/°C)	5.8
Specific Heat @ 40°F (4 °C)	ASTM E1269	Btu/lb/°F	0.3		KJ/Kg-C°	1.25
Glass Transition Temperature	ASTM D3417/D3418	°F	307	ISO 11357	°C	153
Vicat Softening Temperature, B	ASTM 1525-00 Modified	°F	323		°C	160
Heat Deflection Temp. by TMA at 1.8 Mpa		°F	290	ISO 75 Modified	°C	145
Shrinkage at 302 °F (150 °C)	ASTM D1204	%	1.40%		%	1.40%
Brittleness Temperature	ASTM D746	°F	-211		°C	-135

Manufacturing Specifications	Min./Max. Limit of Nominal
Gauge Range	
0.010-0.015" (0.250-0.375 mm)	± 5%
0.020-0.030" (0.500-0.750 mm)	± 3%

In the event of any post-print processing applications, a minimum of 24 hours is recommended between printing and any additional processes. This is especially important for any processes that will come in direct contact with the ink, such as adhesive lamination. For best results, consult your ink manufacturer's recommendation of ink post-cure time, as inks may vary.

The applications suggestions, specifications and other data described here are based on experience that is believed by Tekra to be reliable. Because of the characteristics of these products, you should, before using these products in production, perform your own tests to determine to your satisfaction whether these products are acceptable and suitable for your particular purposes under your operation conditions.

Any order for these products will be subject to Seller's terms and conditions of sale.