ElastoDur ED-AG60CWA is a polyester base film with a UV-cured Fine (F) finish hard surface coating

Features

- Ink primer on second surface accepts solvent & UV screen inks and UV digital
- PET base, pencil hardness 2H, scratch/scuff resistance, embossable
- Chemical resistance from household cleaners, sanitizers, industrial solvents
- Selective textures can be screenprinted on the first surface

CHEMICAL PROPERTIES

Property	ED-AG60CW	Test method
Chemical Resistance	Resistant to: Alcohols Dilute Acids Dilute Alkalis Esters Hydrocarbons Ketones Household Cleaning agents	DIN 42 115
Moisture vapour transmission rate (MVTR)[1] 125µ	2.6g/m²/24 hours	RTM 607
Oxygen transmission rate[1] 125µ	5.3ml/m²/24 hours	RTM 608

ELECTRICAL PROPERTIES

Property	ED-AG60CW	Test method
Dielectric strength[1] 125µ 175µ	 18 kV 22 kV	ASTM D149 1/4" electrode 500V/sec in 25C dry air
Dissipation factor[1]	0.005	ASTM D150 @ 1kHz, 25ºC
Surface resistivity	3.4×10^{13} ohm/square (Ω/□)	JIS-K-6911
Volume resistivity[1]	10^{18} Ω cm	ASTM D257 and D2305 @ 25ºC

MECHANICAL PROPERTIES

Property	ED-AG60CW	Test method
Young's modulus 125µ	NA	
Elongation at break (%)	131.2 (MD) 93.4 (TD)	ASTM D882-02
Switch life >5 million flexes	Switch life >5 million flexes	300g; 10,000times/1hr
Tensile strength at break[1] 125 to 175µ	24000 PSI (MD) 27000 PSI (TD)	ASTM D882
Yield strength[1] 125 to 175µ	13000 PSI (MD) 13000 PSI (TD)	ASTM D882

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OPTICAL PROPERTIES

Property	ED-AG60CW	Test method
Haze	53 ± 5 %	ASTM D1003
Gloss (60°)	17 ± 5 %	ASTM D523
Total transmission	≥ 90 %	ASTM D1003
Yellowness index	< 2	ASTM D2244

PHYSICAL PROPERTIES

Property	ED-AG60CW	Test method
Density[1]	1.40g/cm³	ASTM D1505-85
Tape adhesive	100/100	ASTM D3002
Pencil Hardness	>2H	ASTM D3363
Thicknesses	145µ ± 10% (125µ base) 195µ ± 10% (175µ base)	ASTM D1186

THERMAL PROPERTIES

Property	ED-AG60CW	Test method
Coefficient of thermal expansion[1] (MD) (TD)	 19 x 10 exp - 6 cm cm -1 ºC– 1 16 x 10 exp - 6 cm cm -1 ºC– 1	 ASTM E794-85
Dimensional stability (%)	TD: </= 0.1% MD: < 0.2%	@ 120ºC/30 min ASTM D1204
Maximum and minimum long term use	-40 / 85°C	Kimoto method

Note:

[1]Data derived from base film manufacturers literature.

The ElastoDur Film coating slightly enhances most properties.

Technical data presented within this document are typical sample values and should not be used for any specification purposes.

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