PENSTICK®Digital 4152CLS / 4152WHS





Film		
		plasticised PVC (Phthalate-free)
Thickness		150 μm (± 10%) (DIN 53370 48h after separation)
Density		1,229 g/m³ (± 5%)
Colour/Surface		transparent (CL) and white (WH) glossy
Surface Tension		35mN/m (±2 mN/m)
Optical Transparency		waterclear, flow-lines, fisheyes, slightly mat; white: opaque
Shrinkage		
Adhesion		1 minute after separation from backing paper: MD about - 4%; CD + 1%
		0,06N/25mm (FTM 1) on clean glass
Application Temperature		min. + 5℃
Service Temperature Range		-20 °C bis +70 °C
Expected Life Time		indoors 3 years; outdoors 1 year (Central Europe)
Liner	T	
Typ 415 2	Material	Castline: cast coated cardboard, white surfaced, printable backside
	Thickness	165 μm (± 7,5%)
	Grammage	130 g/m² (± 7,5%)
Laminate		
Typ 415 2	Thickness	315 μm (± 9%)
Converting		
Printability		Solvent inkjet, Eco- and Mild-Solvent Inks, Latex Inks
Plotting		Good plotting characteristics with cardboard liner.
Remark		The application at the printed side must take place only on glass. By application on plastics and lacquers reactions between surface and Solvent-Ink are possible. Using Eco- and Mild-Solvent inks residues on the glass surface are possible.
Regulations ar	nd Standards	3
The material has been tested against the following regulations and standards:		 EN 71-3 (Safety of toys, migration of heavy metals) EN 71 Part 9-11 (Safety of toys, migration of Solvents, Monomers, Plasticizers) DIN 53160 (Resistance to perspiration and saliva 6/1974) according to this Regulation (EC) 1907/2006 suitable for toys and childcare articles 2011/65/EU (RoHS - restriction of hazardous substances 06/2011)
General		
Formats		Width: 914mm, 1.370mm Length: 25m
Size Tolerance		± 2mm over 1.000 mm (± 0,3%)
Storage Stability		1 year original packaging 21 °C (70 °F)/50% RH
Special Properties		PENSTICK® Digital is a cling vinyl that clings without adhesive on smooth, glossy surfaces (like glass, PET, PMMA, PC,) could be easily removed leaves no residues (in combination with lacquers and plastics the compatibility must be tested) could be reused / reapplied adheres on both sides (also on the printed side - solvent inkjet)

All technical properties are typical values.

PRODUCT PERFORMANCE AND SUITABILITY

All Statements, technical information and recommendations about our products are obtained from tests believed to be reliable. They are provided as a guide and shall in no event constitute a warranty of any kind. MOLCO therefore undertakes no responsibility either for the result deriving from their adoption or for any claims or liability arising from the use of the material. It is not recommended to swallow pieces of film. Because conditions of use are beyond our control, all products are sold with the express understanding that the purchaser has independently determined the suitability of such products for its purpose. Subject to technical changes without prior notice.

