



PolyRAFIA[®]

Item	Description	Specification
Composite Structure (Cross liner)	Article Codes	PE-R175
	Type of Resin	Crossed axial linear polyethylene
	Colour	white / grey back
	Printing Surface Finish	coated matt finish
	Total Thickness	220 micron
	Total Weight / sqm	175 gsm

Properties	Test methods	Unit	Value	
General				
Relative Density (at 23°C)	ASTM D1505-79	/	0,92	
Mechanical			MD - Machine Direction	TD - Transverse Direction
Tensile Strength at break	ASTM D882	PSI	5200	4800
Mullan Bursting Strength	ASTM D751-95	PSI Kg/cm ²	210 14,8	210 14,8
Elongation	ASTM D882	%	22	22
Thermal				
HDT (Heat Distorsion Temperature)	ASTM D1525	°C / 1 Kg / 10 N	Vicat 78°C	
Shrinkage (after 5 mins at 70°C)	Internal Method	%	3 MD - Machine Direction 2 TD - Transverse Direction	

Applications	Indoor /outdoor applications for wrapping buildings, big advertising, graphics, partition wall, sails and permanent roll-up. Outdoor applications suitable for more than 24 months (according to local climate).
Advantages	Very high tensile strength of the structure, almost three times stronger than traditional banner. Extremely light-weight product, almost three times lighter than traditional Banner. Good printability, up to 720 dpi. Welding: impulse, hot air and ultrasound welding.
Printability	Suitable for Digital and Silk Screen Printing. Digital printing: the surface is coated only for UV-Curable inks ; any kind of UV printers can be used. Notes: due to the wide number of ink producers and digital printing machines, weather conditions and printing variability, testing before printing is recommended.
Storage Period	24 months under ordinary condition at the average temperature of 22°C (min. 12°C , max. 32°C) and relative humidity of 45-65%.
Safety Caution	RoHS - The HD-PE Banner is in accordance with RoHS directive 2002/95/EC and its amendment directives. REACH - The HD-PE Banner is in accordance with current norms. For further information, please ask for the updated regulation on SVHC (Substances of Very High Concern) taken into consideration by REACH (Registration Evaluation Authorization of Chemicals), complying with the Italian Decree-Law nbr. 133 issued on 14.09.2009 published on the Italian Gazzetta Ufficiale.
Notes	Published information is based upon research and information which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of the products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages. All specifications are subject to changes without prior notice.