

DECAL PET G 32my 12/20



PET



FILM



ADHESIVE

“Encapsulation films is a line of heat reactive products developed for encapsulation of printed films. They offer mechanical and chemical resistance to the substrate.”

PRODUCT DESCRIPTION

- **Substrate:** Clear extruded Glossy PET. Offers protection against mechanical and chemical corrosion.
- **Adhesive:** ‘EVA’ Crystalline, hot activated
- **Durability:** < 2 years
- **Common uses:** Suitable for hot encapsulation of papers and films printed with water, solvent, latex and UV inks.

PROPERTIES OF THE PRODUCT

	Average value	Standard used
Thickness (µm)	32	ISO 2286-3
Shrinkage (hot conditions) - md/cd (150°C/30min) (%)	1 / 1.2	ASTM D 1204
Surface Energy (dyne/cm)	45	ASTM D 2578
Transmittance (%)	89	ASTM E 1164
Reflectance (%)	11	ASTM E 1164
Haze (after lamination) (%)	3	ASTM D 1003
Glue Melting Point (°C)	88	ASTM D 3418
Lamination Temperature (°C)	88 - 100	
Temperature of use (°C)	20 - 30	
Relative Humidity (use) (%)	50	

CONSIDERATIONS AND RECOMMENDATIONS

- o Application surface: flat
- o Film not recommended for floor graphics (areas with car traffic), flexible or low energy films, non-flat surfaces, painted or non-painted carton walls, plaster walls, wallpaper, poorly cleaned or rough surfaces, surfaces with degraded ink.
- o Do not expose to common spills or vapours.
- o Inadequate climate and angles of solar exposure can result in a significant decrease of the durability. Before film usage, it is recommended that it is left at least 24h at the temperature of the workplace. Other factors not described here may influence performance in use.
- o Removal: without heat or chemicals
- o Store between 15 and 25°C and 50%RH, protected from solar exposure, in a clean dry location, in the original package. The product must be stored vertically in order to ensure that the quality is not compromised.
- o Use within 1 year of the production date, as long as kept in the closed original package.

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IMPORTANT NOTE

- Decal can't be held accountable for the ease or speed of removal of the applied material. The air and the film's temperature have to be taken into account.
 - The data provided in this technical sheet is based on our knowledge and experience. It's supposed to be a source of information and cannot be used as a guarantee. The data contained here is subject to changes without previous notice.
 - The end user should determine the materials' compatibility with the intended application, prior to using it. Decal won't be held accountable for misuse or inadequate storage, and cannot therefore be responsible for losses or damages to third parties.
 - Claims are only accepted if the client has the QR codes available alongside the product and placed in the production sheet.
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Revision Date of the Technical Data Sheet: 19.01.18

Approved by: RJ

Please, check our website for additional information www.decal-adhesive.eu/en or request any clarification needed from our technicians.

DECAL PET M 32my 12/20



"Encapsulation films is a line of heat reactive products developed for encapsulation of printed films. They offer mechanical and chemical resistance to the substrate."

PRODUCT DESCRIPTION

- **Substrate:** Clear extruded Matte PET. Offers protection against mechanical and chemical corrosion.
- **Adhesive:** 'EVA' Crystalline, hot activated
- **Durability:** < 2 years
- **Common uses:** Suitable for hot encapsulation of papers and films printed with water, solvent, latex and UV inks.

PROPERTIES OF THE PRODUCT

	Average value	Standard used
Thickness (µm)	32	ISO 2286-3
Shrinkage (hot conditions) - md/cd (150°C/30min) (%)	1 / 1.2	ASTM D 1204
Surface Energy (dyne/cm)	45	ASTM D 2578
Transmittance (%)	89	ASTM E 1164
Reflectance (%)	9	ASTM E 1164
Haze (after lamination) (%)	67	ASTM D 1003
Glue Melting Point (°C)	88	ASTM D 3418
Gloss 60°	9	ASTM D 2457
Roughness (µm)	Rz 2.3	ASNI/ASME B46. 1-1995
Whiteness (%)	93	ASTM E 313-1973
Lamination Temperature (°C)	88 - 100	
Temperature of use (°C)	20 - 30	
Relative Humidity (use) (%)	50	

CONSIDERATIONS AND RECOMMENDATIONS

- o Application surface: flat
- o Film not recommended for floor graphics (areas with car traffic), flexible or low energy films, non-flat surfaces, painted or non-painted carton walls, plaster walls, wallpaper, poorly cleaned or rough surfaces, surfaces with degraded ink.
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