



dtf



decal Hot Melt Powder

Hot Melt Powder is a thermofusible adhesive powder with medium particle size (80-170 microns) developed for industrial thermal transfer applications in DTF (Direct to Film) digital printing processes. This product ensures high adhesion and durability, adapting to a wide range of substrates and application conditions while maintaining consistency and effectiveness even in environments with temperature and humidity variations.

CARACTERÍSTICAS E BENEFÍCIOS

- High bonding strength, adhering to a wide range of fabrics.
- Low dust formation.
- Low electrostatic charge.
- Smooth and flexible finish.

PHYSICAL CHARACTERISTICS

Appearance	White powder
Particle Size	80-170 microns
Melting Point	120-130°C
Melt Index	30 ± 5

USAGE CONDITIONS

Fusion Time	6 - 8 seconds
Pressure	75 A ± 2 A

STORAGE CONDITIONS

Relative Humidity	Approximately 50% - 60%
Temperature	Between 24 and 25°C
Storage	Keep the powder sealed and away from direct sunlight
Shelf life	1 year

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USAGE INSTRUCTIONS

1. Design File Creation: Create the design as a mirrored image, with color separation to allow a white background layer when needed.
2. Print DTF Film: Print the design on DTF film using CMYK inks, followed by a white ink layer.
3. Dry the Printed Film: Let the printed film dry until tacky.
4. Apply Adhesive Powder: Evenly apply the adhesive powder onto the ink film.
5. Remove Excess Powder: Shake off the excess adhesive powder.
6. Melt and Dry the Adhesive Layer: Melt and dry the adhesive layer to ensure proper bonding.
7. Ready for Transfer: The printed film is now ready for transfer.

IMPORTANT NOTES

- * Decal is not responsible for the improper use of the product.
- * Appropriate air and substrate temperatures must be considered before use.
- * It is recommended to use the same batch of product for the entire job.
- * The information provided is based on our experience and does not constitute a guarantee. Subject to change without notice.
- * Decal is not liable for incorrect use or improper storage, nor for any losses or damages to third parties.

Technical Data Sheet Revision Date: 19/11/24
Approved by: SC

For more information, visit www.decal-adhesive.com or consult our technical team.