

HPBT 3904 - INDUSTRY STANDARD : HIGH PERFORMANCE BONDING TAPE

Product Description

HPBT 3904 – High Performance Bonding Tape is a pale amber coloured pressure sensitive adhesive exhibiting high levels of adhesion and cohesion. Unlike many other rubber resin adhesive tapes, 3904 is solvent free and has good UV resistance coupled with good peel strength. 3904 is easy to use with a finger-lift liner offering an instant high bond to most common materials from plastic, ceramics, metals, wood and glass.

Typical Uses

HPBT 3904 - will bond to most common substrates including difficult to bond materials such as polyethylene and polypropylene. Suitable for indoor and outdoor use. 3904 can be used for fixing signs to most surfaces* without the need for drilling and screws. 3904 can also be used for lap jointing plastics and damp proofing materials, joining and sealing thin gauge aluminium skins in caravan production as well as fixing roof skins in commercial trailers, bonding kick plates, decorative trims. Use 3904 for simply making surfaces or products self adhesive and thousands of other uses.

Benefits

- Bonds most substrates including difficult to bond materials such as polyethylene
- Forms a strong waterproof bond
- Good UV resistance
- Indirect Food Approved FDA 21 CFR 175.105
- Easy to apply with finger lift liner
- Instant bonds with high levels of adhesion and cohesion

Methods of Application

- Supplied in roll form for application by hand only.

Typical Adhesive Characteristics

Colour	Pale Amber
Service Temperature Range SAFT	-10°C to +60°C
Application Temperature	+10°C
Softening Point	Approx. 75°C (Ring & Ball) XLA QA502
Shear	>1595.0 (FTM 8 @ 40°C 10N/in ²)
Peel Adhesion 180° N/ 25mm	25.5 (FTM1)
Appearance	Solid straw / translucent coloured Tape on Liner
FDA Status	Approved under FDA 21 CFR 175.105 For Direct Food Contact

*Some heavier items may need supporting when first bonded, always test for suitability. Temperature resistance may vary dependent upon substrates and conditions. Please Test for suitability first.

Packaging

HPBT 3904 – Is available in 12mm, 19mm, 24mm, 38mm and 50mm widths as standard. All widths are available in the following thicknesses as standard. 0.4mm X (30 mtr rolls), 0.9mm X (20mtr rolls)

Storage

Store in a clean dry environment in closed containers between 5 and 35°C. When stored under these conditions the product will have a shelf life of at least 1 year.

Health and Safety

This Technical Information Sheet does not constitute a Material Safety Data Sheet. Before using 3904 – HPBT please ensure you have received and have read carefully the Material Safety Data Sheet relating to this product (MSDS 1001). HPBT 3904 – has very little health and safety concerns offering a product, which is non-toxic, non-solvent and food approved FDA status. Fires: Not normally a hazard but in a fire hot melts are combustible; use dry powder or CO2 Extinguishers. TIS No: 1001 Issued: 12.07.2017

Information presented on this sheet is not intended as a formal specification and should be used as a guideline only. Every endeavour has been made to ensure the accuracy of the information contained herein but customers should conduct their own tests to confirm to themselves the suitability of the product. Therefore Fantas-tak Ltd cannot accept any loss or damage that may result from the use of this information.