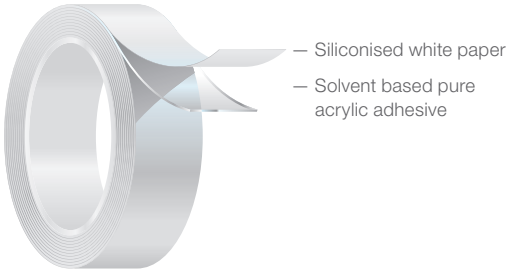
# FT F2023

**FT F2023** is a transfer or unsupported pressure sensitive adhesive system for assembling purposes. The adhesives used are acrylic polymer or synthetic rubber based formulations. FT F2023 is protected by one or two silicone coated release liners.

## CONSTRUCTION & TYPICAL APPLICATION:

- Free film of solvent based pure acrylic adhesive. It offers high tack and peel, and very high shear properties.
- Produced in self-wound format on calendered paper liner.
- For applications where High temperature resistance is required : e.g. signs, nameplates, holograms, heavy duty foam coating.




| Adhesion with Substrates | | | |
|---|---|---|---|
| Metal / Aluminium | High | Acrylic / PET | Medium |
| Glass / Ceramics | High | Polystyrene | Medium |
| Painted Surface | High | PP / PE / PS | Medium |
| Wood / Board / Paper | Medium | Textile / Cotton | Medium |
| Soft PVC | Medium | Rubber / EPDM | Medium |
| Rigid PVC | Medium | Smooth Substrate | High |
| PC / ABS | High | Rough Substrate | Medium |

## RESISTANCE:

- Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. High resistance to plasticizers and high outdoor resistance. Not recommended for use in contact with ketones, esters or chlorinated hydrocarbons.

## SHELF LIFE:

- 2 years when stored at 15/25° C and ± 50% relative humidity.

## ADDITIONAL INFORMATION:

- Skin contact approval: The adhesive of FT F2023 has been lab tested and its Primary Irritation Index (P.I.I) was calculated to be 0.1, « negligible irritating » in accordance with the criteria of ECETOC (European Center for Ecotoxicology and Toxicology Of Chemicals).
- Food contact approval: The adhesive of FT F2023 has been tested and approved for direct contact with dry, moist and some non-fatty foodstuffs according to the European directive 85/572/EEC
- IMDS – automotive registration: FT F2023 has been introduced in the IMDS (International Material Data System).

## FT F2023

| ADHESIVE DATA | Typical Values* | Test Method |
|---|---|---|
| **Quick Tack** (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) | 17 | FTM 9 |
| **Peel 180°** (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)<br>- after 20 minutes<br>- after 24 hours | <br>16<br>17 | <br>FTM 1<br>FTM 1 |
| **Shear** on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours) | 500 | FTM 8 |

| CARRIER DATA | Typical Values* | Test Method |
|---|---|---|
| Carrier Free | | |

| TEMPERATURE RESISTANCE | Typical Values* | Test Method |
|---|---|---|
| Minimum Application Temperature | + 10°C | |
| End-use Temperature Range | - 40°C to + 180°C | |
| Short Term Resistance | + 200°C | S.A.F.T. 500grs |

| RELEASE LINER | Typical Values* | Test Method |
|---|---|---|
| White Silicone Paper | 90 gr/sqm | ISO 536 |

| THICKNESS | Typical Values* | Test Method |
|---|---|---|
| Carrier + Adhesive | 60µ | ISO 534 |

*Values given are typical and are not necessarily for use in specifications.

## APPLICATION TECHNIQUES:

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

## IMPORTANT NOTICE:

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison Conditions of Sales, a copy of which is available upon request.

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