



PERFORMANCE GUIDE

Revised: 4/2022 SRS

PRODUCT: MD2121

PRODUCT DESCRIPTION

MD2121 is a double coated 0.5mil PET with Mactac's non-migratory, non out-gassing chemically inert Response acrylic adhesive system. The product is supplied with a 72# polycoated kraft paper.

MD2121 is designed for use in the following applications: medical in-vitro diagnostic/immunoassay devices, high-end electronic gasket/bonding tapes, membrane switch, high-end optical applications and window sealing and mounting.

PRODUCT CONSTRUCTION

Carrier: Clear 0.5mil Melinex PET film

Adhesive: 1.2 mils of Response-03 medical grade acrylic adhesive. This adhesive has been assessed by an independent bio-medical laboratory and meets ISO-10993 guidelines for direct skin contact. Response-03 has been evaluated by an independent laboratory for FDA 21 CFR175.105 and 21 CFR176.180 for food packaging

Liner: 72# Polycoated coated Kraft paper coated two side with silicone release

PHYSICAL PROPERTIES

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

Performance Test	Unit of Measure	Typical Values	Testing Method
180° Peel Stainless Steel			
30 minute dwell	oz./in width	80 (22.0)	PSTC – 101-Method A
24 hour dwell	(N/25mm)	88 (24.2)	
Loop Tack	oz./in² (N/25mm)	80 (22.0)	PSTC-16- Method A
Shear 1kg @ 72°F	hours	300+	PSTC – 107 – Method A
Thickness			
Carrier & Adhesive	inches (microns)	.0029 (73.7)	

TEMPERATURE RANGE

Application Temperature: 45°F - 120°F

Service Temperature Range: -35°F - 300°F

ATTRIBUTES

- Intended for use in medical diagnostic devices, high-end electronic and optical applications
- Non-outgassing and non-migratory
- Chemically inert
- Broad temperature range
- Good adhesion to a wide range of surfaces
- Excellent cohesive strength
- Sterilizable by all methods including gamma, EtO, autoclave and e-Beam.

SHELF LIFE

Two year shelf life when stored at 75°F. (24°C.) and 50% relative humidity or less. It is recommended that the product be stored in its original package until ready to use.

STATEMENT OF RECOMMENDATION

This product should be tested thoroughly in final converted form under end-use conditions to ensure it meets the requirements of the specific application.

CALL 1-800-255-9733 for additional product information

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