



PERFORMANCE GUIDE

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PRODUCT: MD3020

PRODUCT DESCRIPTION

MD3020 is an unsupported transfer adhesive based on Mactac's non-migratory, non out-gassing chemically inert Response acrylic adhesive system. The adhesive is protected between a 64 # SCK and 40# SCK liners. The 50# liner can be stripped to create a self-wound product.

MD3020 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 and window sealing/mounting.

PRODUCT CONSTRUCTION

Adhesive: Response-02 is a 100% solids pressure sensitive acrylic adhesive. Response-02 has been assessed by an independent bio-medical laboratory and meets ISO-10993 guidelines for direct skin contact. Reponse-02 has been evaluated by an independent laboratory for FDA 21 CFR175.105 and 21 CFR176.180 for food packaging. Headspace Analysis shows Response-02 to be low-outgassing. Specific test procedures and results are available upon request.

Liner: 64# SCK with a release coating on both sides and 40# SCK with release coating on one side. The 40# liner can be removed if a self-wound product is desired.

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	104.00 (28.6)	PSTC – 101-Method A
24 hour dwell	<i>(N/25mm)</i>	115.20 (31.7)	
Loop Tack	lbs./in² (N/25mm)	45.60 (12.54)	PSTC-16- Method A
Shear 1kg @ 72°F	hours	75	PSTC – 107 – Method A
Thickness			
Adhesive	inches (microns)	.0022 (55)	

TEMPERATURE RANGE

Service Temperature Range: -35°F - 180°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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