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Stockwell DP-1001

Polyimide Film Supported Silicone Pressure Sensitive Adhesive with Easy Peeling Liner

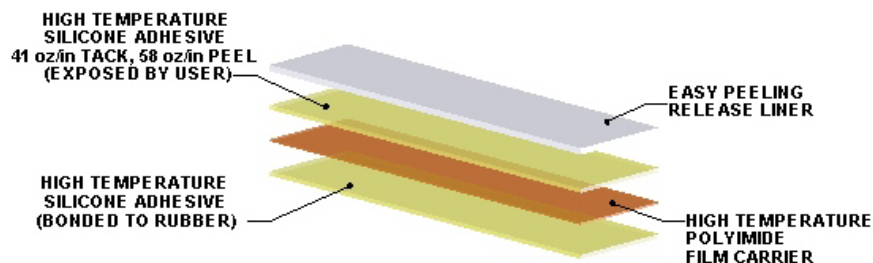
General Description

DP-1001 offers optimum performance as a pressure sensitive adhesive on silicone rubber gaskets, with a **continuous service temperature range of -100°F to 500°F (-73°C to 260°C) with short term, intermittent service to 600°F (315°C)**. The highly cross-linked silicone adhesive is well anchored to the polyimide film to eliminate squeeze-out and/or legging. The polyimide film carrier is translucent amber in color.

Easy Peeling Liner Description

This adhesive is now available with a 91# (heavier than most) white poly-coated release liner that assembly personnel and users will find easy to remove from die cut gaskets and cushioning pads to expose the adhesive backing. Most silicone pressure sensitive adhesives have a very thin PET film release liner that can be difficult to separate from cut gaskets and pads.

Technical Data and Construction Notes



- Release Liner: 91# poly-coated Kraft / PET construction with fluoropolymer release
- Silicone Polymer Adhesive (user side): Tack 41 oz/in (1) and Peel 58 oz/in (2)
- Film Support / Carrier: 1 mil thick Polyimide Film (amber color)
- Silicone Polymer Adhesive (on sponge or foam gasket): Foam tearing bond

Liner removal is made easier by peeling the silicone down from a corner of the gasket, pad or sheet. Samples are available for testing.

1. Tack - 0 wet out from stainless steel
2. Peel - 24 hr wet out from stainless steel

Application Notes

DP-1001 is intended for silicone gasket and cushioning pad applications where temperature extremes do not permit the use of acrylic adhesive systems. Stockwell Elastomerics laminates DP-1001 onto closed cell silicone sponge, silicone foams and solid silicone rubber. Stockwell also applies DP-1001 onto molded silicone rubber gaskets with flat surfaces that permit lamination.

Bonding Information

Bond strength and transfer can be enhanced by increased time, elevated temperature, and/or surface pressure. Clean, dry surfaces are essential for optimum adhesive performance. Our recommendations are made in good faith and are based on our experience with these products. Since the conditions of use of these products are beyond our control, this data is given on the express condition and understanding that Dielectric Polymers, Incorporated will not be liable to any person by reason thereof. Nothing herein shall be deemed to be a recommendation to use any product in violation of any existing patent right.