Application Areas:

Extra-strength hot melt pressure-sensitive adhesive (1 kg pillow format) developed for tamper-evident courier envelopes (destructive bag closure), heavy-duty double-sided tapes, and agricultural insect traps.

Delivers permanent, destructive bonding on polyethylene (LDPE/HDPE) mailer bags, causing substrate film tear upon any attempt to reopen.

Characteristics & Directions for Use:

High initial tack combined with aggressive shear strength. Maintains bonding performance under extreme hot summer and freezing winter transit environments.

Enables clean silicone release liner peel without adhesive leg transfer.

Processing Parameters:

Process Parameter	Specification / Condition
Recommended Operating Temperature	150 – 170 °C
Viscosity (Brookfield @ 160°C)	12,000 ± 2,000 mPa·s (Spindle 27 / 20 rpm)
Coat Weight	25 – 50 g/m² (Tamper-evident sealing)
Application Method	Slot Die / Bead Extrusion
Open Time Window	Permanently Open (Destructive Adhesion)
Service Temperature Range	-20 °C to +70 °C

Technical Data:

Technical Parameter	Specification Value
Chemical Base	Synthetic Block Copolymer (SBC) + Tackifiers
Density (@ 20°C)	approx. 0.98 ± 0.02 g/cm³
Softening Point (Ring & Ball)	96 ± 3 °C (ASTM E28 / DIN EN 1238)
Loop Tack (FINAT FTM 9)	> 24 N / 25mm (Aggressive Tack)
Tamper-Evident Bag Test	100% Substrate Film Tear
Appearance & Color	Honey Amber / Translucent 1kg Pillow

Performance Ratings:

Destructive Tamper Sealing		**100 / 100**
Initial Loop Tack		**99 / 100**
Shear Holding Power		**96 / 100**
Thermal Resistance		**94 / 100**
Film Elasticity		**95 / 100**

Ferhatpasa Mah. 15. Sok. No:88 Atasehir / Istanbul, Turkey
Tel: 0850 532 02 91 | info@mayertutkal.com.tr | www.mayertutkal.com.tr

Cleaning:

Scrape hot residues. Clean applicator parts with Mayer Solvent Cleaner.

Storage & Shelf Life:

Store in a cool, dry place (15 – 25 °C). Shelf life is 24 months.

Packaging:

1 kg Pillow Blocks (20 kg Cartons).

Important Remarks & Legal Notice:

Guarantees film tear on e-commerce security mailers.

Verify silicone release liner release values.

Mayer Adhesive Engineering & Quality Standards:

ISO 9001:2015 certified QA.

Courier packaging tamper-test support.

High-shear polymer formulation.

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