Mayer MultiTack MT-PSA 350

TDS-PSA-350

Product Description & Key Characteristics:

Mayer MultiTack MT-PSA 350 is a Premium thermoplastic synthetic rubber (SIS/SBS) and hydrogenated tackifying resin-based pressure sensitive hotmelt adhesive (PSA). Features a softening point of 100 ± 3 °C and a melt viscosity of 3,000 ± 500 mPa·s at 160–180 °C, offering exceptional initial grab (loop tack), permanent pressure-sensitive adhesion, and high cohesive shear strength.

Core Advantages & Industrial Applications:

Application Guidelines: Applied via automated slot-die, spray/swirl, or roller nozzle applicators at 150 – 175 °C. Delivers instant high grab and durable permanent flexibility across paper, cardboard, PE/PP/PET films, upholstery foam, non-woven fabrics, and metallized films. Supplied in melt-in silicone/PE-wrapped 1 kg pillow blocks, enabling dust-free and clean charging into melter tanks.
Broad Industrial Scope: Highly recommended for self-adhesive label stock and tape manufacturing, courier bag and e-commerce security closures, mattress and upholstery foam bonding, automotive sound insulation felts, and multi-layer technical laminations. Delivers outstanding thermal stability in melter tanks with zero charring, skinning, or nozzle clogging.

Application & Processing Parameters:

Processing Parameter	Specification / Operational Value
Application Method	Slot-die coating, swirl spray, multi-bead line, or roller applicators
Recommended Operating Temp	150 – 175 °C (Hose and nozzle temperature: 155 – 170 °C)
Softening Point (R&B;)	100 ± 3 °C (ASTM E28 / DIN EN 1238)
Melt Viscosity (@ 160 °C)	3,400 ± 400 mPa·s (Brookfield Thermosel, Spindle 27)
Melt Viscosity (@ 170 °C)	3,000 ± 300 mPa·s (Brookfield Thermosel)
Melt Viscosity (@ 180 °C)	2,600 ± 300 mPa·s (Brookfield Thermosel)
Initial Grab (Loop Tack)	> 22 N / 25mm (FTM 9 standard, glass substrate)
Peel Adhesion (180° Peel)	> 20 N / 25mm (FTM 1 standard, stainless steel)
Heat Shear Resistance (SAFT)	> 75 °C (0.5 kg / 25x25mm)
Open Time / Tack Life	Continuous permanent pressure-sensitive tack (Permanent)
Packaging Form	1 kg melt-in PE-wrapped pillow blocks – 20 kg carton box

Processing & Machine Setting Recommendations:

- Maintain tank temperatures at 150 – 165 °C and application nozzles at 160 – 175 °C.
- Supplied in melt-in PE film wrappers; place directly into melter tank without unwrapping.
- During prolonged machine standstills, lower tank temperature to 120 °C to preserve polymer properties.
- Substrates must be dry, clean, and free from dust and oil.

Typical Physical & Chemical Properties:

Physical Property	Specification Value
Physical State & Appearance	Solid pillow block, Light Yellow / Clear Amber
Odor	Odorless (Faint characteristic polymer odor in molten state)
Density (@ 23°C)	0.98 ± 0.02 g/cm³
Softening Point	100 ± 3 °C (Ring & Ball method)
Viscosity (@ 160–180°C)	3,000 ± 500 mPa·s
Flash Point	> 230 °C (Non-flammable solid polymer)
Water Solubility	Insoluble (100% moisture and water resistant)
Solids Content	100 % (Solvent-free, zero VOC, environmentally safe)

Performance & Efficiency Rating:



Storage, Safety & Packaging Information:

Storage Conditions: Store in original sealed carton boxes in a cool (+10 °C to +25 °C), dry area away from direct sunlight and heat sources. Avoid excessive stacking pressure. Shelf Life: 24 months.
Packaging Sizes: 1 kg melt-in PE-wrapped pillow blocks – 20 kg carton box.
Safety Notice: Non-hazardous in solid form. Wear heat-resistant gloves and safety goggles to prevent thermal burns from molten adhesive. For full health, exposure limits, and PPE regulations, consult the official Safety Data Sheet (SDS).