Application Areas & Universal Multipurpose Scope:

MT-PSA 330 B Universal is a premium, multipurpose universal pressure-sensitive hot melt adhesive (PSA) formulated with advanced synthetic rubber polymers and hydrocarbon resin technology, offering outstanding initial quick tack and persistent internal cohesion.

Hygienic & Medical Nonwoven Construction: Specifically developed for multi-line construction and elastic attachment in baby diapers, sanitary napkins, baby pull-ups, adult incontinence articles, and medical non-woven disposables/drapes.

Multipurpose (Universal) Industrial Scope: Engineered for universal general-purpose bonding across diverse industrial sectors including courier / e-commerce security mailer bags, self-adhesive labels, tape manufacturing, technical textile lamination, insulation bonding, packaging closures, and product assembly.

Characteristics & Directions for Use:

Low Working Temperature Technology: Operates efficiently at low application temperatures (140 – 155 °C), preventing burn-through or distortion on sensitive PE/PP backsheets and heat-sensitive substrates while reducing energy consumption.

Superior Thermal Stability & Odorless Formula: Does not char, discolor, or build skin in the melt reservoir during extended shifts. Highly skin-friendly and virtually odorless.

Broad Application Compatibility: Delivers clean, string-free cutoff across all spiral spray, multi-line nozzle, slot die, and bead extrusion application systems.

Processing Parameters & Operating Conditions:

Process Parameter	Specification / Operating Condition
Recommended Application Temperature	140 – 155 °C (Dep. on application system, ambient temp & substrates)
Viscosity @ 140 °C (Brookfield DV II+)	approx. 2,800 mPa·s (Spindle 21, ASTM D 3236)
Viscosity @ 150 °C (Brookfield DV II+)	approx. 1,800 mPa·s (Spindle 21, ASTM D 3236)
Viscosity @ 160 °C (Brookfield DV II+)	approx. 1,250 mPa·s (Spindle 21, ASTM D 3236)
Application Methods & Types	All kinds of Spiral Spray, Slot Die Coating, Multi-line Bead
Open Time Window	Permanently Open (Pressure-Sensitive PSA)
Initial Tack & Grab	Extremely Aggressive Quick Tack

Physical & Technical Specifications:

Technical Parameter	Test Method & Specification Value
Chemical Base	Synthetic Rubber + Hydrocarbon Resin Technology
Appearance & Delivery Form	Crystal / White Clear Solid Block (Crystal Clear – G:0.5)
Softening Point (Ring & Ball)	approx. 86 °C ± 3 °C (ASTM E 28-99)
Density (@ 20°C)	approx. 0.96 ± 0.02 g/cm³
Solids Content	100 % (Solvent-Free Solid Hotmelt)
FDA Indirect Food Compliance	Complies with FDA Indirect Food Contact Regulation 21 CFR 175.105

Performance Ratings & Compatibility Scores:

Aggressive Quick Tack & Initial Grab	**98 / 100**
Low Working Temp Processability	**97 / 100**
Universal Multipurpose Substrate Adhesion	**99 / 100**
Spray, Slot & Bead Pattern Quality	**96 / 100**
Thermal Stability & Anti-Aging Resistance	**95 / 100**

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ISO 9001:2015 / ISO 14001:2015 Certified Quality Management System
Mayer Industrial Adhesive Solutions Inc.

Cleaning & Maintenance:

Drain adhesive while molten. Flush tank and hoses using Mayer Neutral Hotmelt Purge Cleaner. Residual cold adhesive can be removed using suitable hydrocarbon solvents or Mayer Cold Cleaner MT-CL 710.

Shelf Life & Storage Conditions:

Material can be stored indoors for 24 months from manufacture date in original closed boxes under dry and clean conditions between +5 °C to +35 °C. Direct UV/sunlight effects and moisture condensation must be prevented. Rotate stocks using oldest date of manufacture (FIFO). Shelf life: 24 months.

Delivery Form & Packaging:

Block of 1000 grams wrapped with self-formulated easy meltable property films, packed in 20 kg carton boxes.

Important Remarks & Legal Disclaimer:

For occupational health and safety guidelines, refer to the Material Safety Data Sheet (MSDS / SDS). Molten adhesive causes thermal burns; wear protective gloves and safety glasses.

The information given is based on laboratory testing and industrial experience. Because processing conditions vary, customers must perform their own trials under factory conditions prior to full-scale consumption.

Mayer Adhesive Quality, Food Contact & Engineering Standards:

Quality Assurance: ISO 9001:2015 & ISO 14001:2015 certified manufacturing and strict batch viscosity controls.

Food & Hygiene Compliance: Compliant with FDA 21 CFR 175.105 indirect food contact regulations with ultra-low VOC.

Technical Field Advisory: Expert assistance for nozzle calibration, coat weight optimization, and bond testing.

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