Application Areas:

Polyolefin packaging hot melt adhesive developed for high-speed automatic packaging lines (Nordson, Robatech nozzle jetting systems) for case sealing, carton closing, tray erecting, and wrap-around packaging.

Designed for food, beverage, detergent, and FMCG packaging lines requiring ultra-short set times of 1 – 2 seconds. Not intended for furniture or edgebanding.

Characteristics & Directions for Use:

Low viscosity ensures zero nozzle stringing and completely prevents nozzle clogging. Zero charring or carbon build-up in melting tanks and hoses.

Maintains bond integrity under extreme deep-freeze (-30 °C) and hot shipping container (+75 °C) conditions without pop-opens.

Processing Parameters:

Process Parameter	Specification / Condition
Recommended Operating Temperature	150 – 180 °C (Optimal nozzle 160 – 170 °C)
Viscosity (Brookfield @ 170°C)	1,200 ± 200 mPa·s (Spindle 27 / 20 rpm)
Application Method	Automatic Jetting / Dot & Bead Extrusion
Set Time	1 – 2 seconds (Ultra-fast setting)
Open Time Window	3 – 5 seconds
Applied Quantity	0.3 – 0.8 g per dot

Technical Data:

Technical Parameter	Specification Value
Chemical Base	Synthetic Polyolefin (PO)
Density (@ 20°C)	approx. 0.92 ± 0.02 g/cm³
Softening Point (Ring & Ball)	110 ± 3 °C (ASTM E28 / DIN EN 1238)
Solids Content	100 % (Solvent-free granulate / pillows)
Appearance & Color	White / Translucent Mini-Granules
Deep Freeze Resistance	Down to -30 °C without bond failure

Performance Ratings:

Setting Speed (Fast Line)	**100 / 100**
Zero-Stringing Performance	**99 / 100**
Cold Resistance (-30°C)	**98 / 100**
Zero Tank Charring	**99 / 100**
Packaging Line Productivity	**98 / 100**

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Cleaning:

Drain while hot. Flush system with Mayer Flushing Cleaner.

Storage & Shelf Life:

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

Packaging:

20 kg PE Bags / Cartons.

Important Remarks & Legal Notice:

Complies with standard packaging guidelines.

Ensure regular nozzle pressure and temperature calibration.

Mayer Adhesive Engineering & Quality Standards:

ISO 9001:2015 certified QA.

High-speed line jetting calibration service.

Char-free high-purity polymer formulation.

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