Application Areas:

High heat-resistant (115 °C+) Polyolefin (PO) hot melt adhesive engineered for kitchen, bathroom, laboratory furniture, and export cabinetry exposed to extreme climatic conditions.

Applied on automatic straight edgebanders (18 – 45 m/min) bonding HPL, solid wood, CPL, PVC, and ABS edgebands with outstanding moisture and thermal resistance.

Characteristics & Directions for Use:

Provides significantly higher heat and cold resistance (-25 °C to +115 °C) than conventional EVA adhesives. Exhibits no pot oxidation or gel formation.

Forms strong, moisture-resistant joints even at low coat weights. Superior clean cutoff on application rollers.

Processing Parameters:

Process Parameter	Specification / Condition
Recommended Operating Temperature	190 – 210 °C
Viscosity (Brookfield @ 200°C)	40,000 ± 6,000 mPa·s (Spindle 29 / 20 rpm)
Recommended Feed Speed	18 – 45 m/min
Quantity Applied	120 – 170 g/m²
Open Time Window	approx. 7 – 10 seconds
Recommended Wood Moisture	8 – 10 %

Technical Data:

Technical Parameter	Specification Value
Chemical Base	Polyolefin (PO) Polymer
Density (@ 20°C)	approx. 0.94 ± 0.02 g/cm³
Softening Point (Ring & Ball)	118 ± 4 °C (ASTM E28 / DIN EN 1238)
Solids Content	100 % (Solvent-free granulate)
Appearance & Color	Off-White / Translucent Granules
Heat Resistance	> 115 °C (Superior Thermal Resistance)

Performance Ratings:

High Heat Resistance (115°C+)		**99 / 100**
Cold Resistance (-25°C)		**97 / 100**
Pot Oxidation Resistance		**98 / 100**
Water & Moisture Resistance		**94 / 100**
Bond Strength		**96 / 100**

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Cleaning:

Scrape warm residues. Do not cross-contaminate with EVA.

Storage & Shelf Life:

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

Packaging:

20 kg PE Bags.

Important Remarks & Legal Notice:

Refer to MSDS for safety instructions.

Purge melt tank thoroughly before switching from EVA to PO.

Mayer Adhesive Engineering & Quality Standards:

ISO 9001:2015 certified QA.

Climatic chamber thermal testing support.

Advanced polyolefin polymer technology.

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