



Energy lives here™

Enhancing possibilities for assembly, hygiene and packaging hot melt adhesives

Low viscosity Vistamaxx™ performance polymers create new possibilities for high-performance, low odor and high mileage hot melt adhesives (HMA) used in assembly, hygiene, and packaging applications. These polymers enable the development of a new generation of premium hot melt adhesive formulations for trouble-free and user-friendly application.

Vistamaxx performance polymers offer more adhesive mileage per kilogram/pound than conventional EVA- and APAO- based formulations and the flexibility to tailor to specific formulation needs.

Key benefits



Tunable open time

Enables a wide range of assembly applications



High-temperature performance

Enables high softening point HMA having excellent adhesion



High mileage and low odor

Provided by high polymer loading



Adhesion

Versatile solution for low-energy substrates



Thermally stable

Excellent thermal stability under typical adhesive application conditions



Processability

Outstanding range of formulation viscosity available



Compatibility

Excellent compatibility with polypropylene and polyethylene, plus good compatibility with tackifying resins



Cohesive strength

Tunable elasticity and elongation

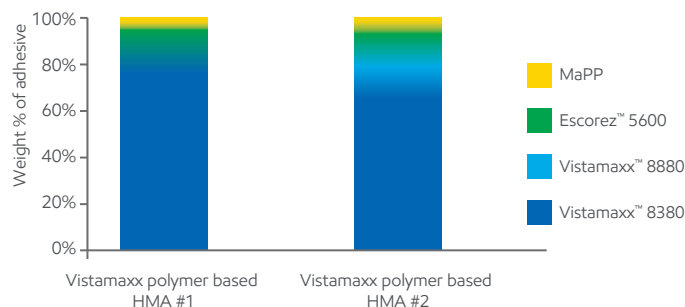
Assembly

- 70-90% polymer loading possible, enabling low density hot melt adhesives with high mileage
- Formulations also offer improved heat resistance, low application temperatures, and improved adhesion compared to APAO- and MCN-PE-based formulations

| Assembly needs | Vistamaxx | EVA | APAO |
|-----------------------------|-----------|-----|------|
| Low odor | ●● | ● | ●● |
| High mileage | ●● | ○ | ●● |
| Adhesion | ●● | ●● | ○ |
| Low application temperature | ●● | ○ | ● |
| Heat resistance | ●● | ● | ●● |

●● Very good ● Good ○ Average

Assembly HMA formulations: bimodal blending opens up possibilities

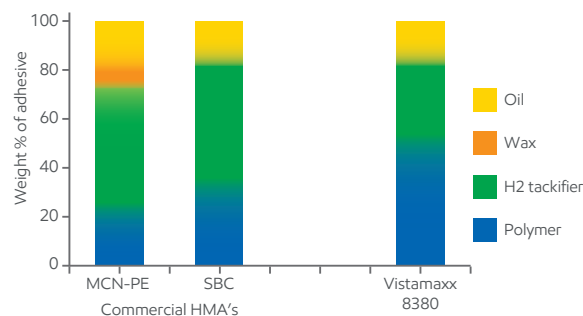


Hygiene construction and elastic attachment

- 45-65% polymer loading enables formulation flexibility to meet open and set time needs
- Excellent adhesion to low surface energy substrates

| Hygiene needs | Vistamaxx | SBC | MCN-PE |
|-------------------------------|-----------|-----|--------|
| Low odor | ● | | ● |
| High mileage | ● | | |
| Bond stability | ● | | |
| Broad application temperature | ● | ● | |
| Robust application | ● | ● | ● |
| Adhesion | ● | ● | ● |

Low viscosity grades enable high polymer loading in hygiene adhesives

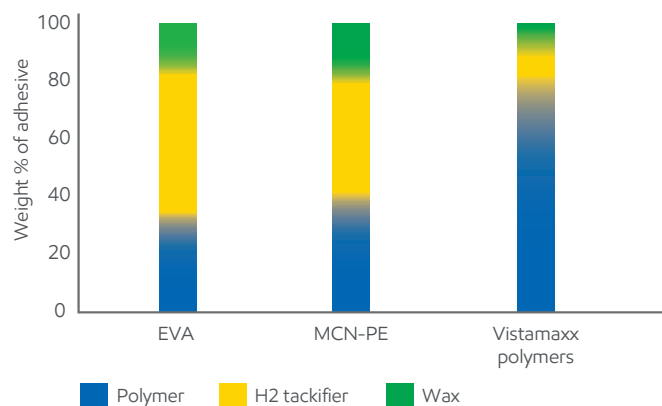


Packaging

- Up to 90% polymer loading possible
- Significantly lower density, lighter weight formulations for increased mileage, compared to EVA and MCN-PE-based alternatives

| Packaging needs | Vistamaxx | EVA | MCN-PE |
|----------------------------------|-----------|-----|--------|
| Low odor | ● | | ● |
| High mileage | ● | | ● |
| Thermal stability | ● | | |
| Adhesion at extreme temperatures | ● | ● | ● |
| Robust application | ● | ● | ● |
| Broad application temperature | ● | ● | ● |

Packaging HMA examples



Contact us for more information:
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