

EPOLENE® polymers provide a variety of benefits in hot melt adhesive formulations

EPOLENE® resins are successfully used in hot melt adhesive applications such as food and beverage packaging, case and carton sealing, multiwall bag construction, and textile adhesives. EPOLENE® low molecular weight specialty polymers provide the following unique benefits in hot melt adhesive applications:

- ▶ Enhanced performance properties such as superior adhesion, viscosity, set time, open time, PAFT, and SAFT
- ▶ Low odor, discoloration, and gelling compared to EVA based formulations
- ▶ Superior adhesion to recycled paper, wood, textiles, and metal substrates using maleic anhydride grafted EPOLENE® resins

EPOLENE®
60
Years and
Growing

EPOLENE® Products by Hot Melt Adhesive Application

| Application | Adhesive Modification | Adhesive Binder/Base |
|--|---|---|
| Description | Use of a modifier to adjust adhesive set and open time. Typical additions are 33% modifier in EVA blend and 10% modifier in PE blend | The base of the adhesive blend which is mixed with additives and extruded/laminated onto adhesion layer |
| Key Value Drivers | Meet specific set characteristics and processing speed | Achieves bonding requirements with the ability to control cost of the base formulation |
| Recommended Grades and Features | <p>N-14 Reduces set and open time due to high melt point</p> <p>N-21 Significantly reduces set and open time due to higher melt point</p> <p>E-43, N-15 APO/APOA hot melt adhesive modifiers</p> | <p>C-10, C-13, C-15 60-70% of blend, low color, excellent compatibility with various tackifying resins</p> <p>C-10, C-16 Outstanding surface adhesion and wear resistance for traffic coatings and striping</p> <p>C-16, C-18 60-70% of blend, especially suited for low temperature applications</p> <p>Maleated for adhesion to polar substrates and high recycled fiber content cardboard</p> |