

S2.5.1 An Overview of Hot Melt Adhesives in Filtration

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Adhesives are used in general assembly of filters as well as the manufacturing of filter media. Each hot melt adhesive technology has their own benefits for certain filtration applications; may it be chemical resistance, heat resistance, or bonding affinity for specific substrates. This overview is to share insight as to what hot melt adhesive technologies exist, how they are applied, and what their key benefits are. Specific technologies discussed are:

Hot Melt Polyolefins

Styrenic Block Copolymers (Hot Melt Pressure Sensitives)

Hot Melt Polyamides

Hot Melt Polyesters

Hot Melt Polyurethanes

Web Adhesives

Specific application methods discussed are:

Melt Blowing

Gravure/Dot Lamination

Bead Extrusion

Web Adhesive Lamination