



Technical Recommendations for Maximising CHEMFAB[®] Conveyor Belt Performance in Food Processing Applications

Saint-Gobain Performance Plastics Limited recommends that to maximise the life of our products the following procedures should apply:

Regular cleaning

- Conveyor Belt
 - Wipe belts a minimum of once a day with a moist non-abrasive cloth. Continuous cleaning systems are desirable but the use of scraper bars needs to be regularly monitored to ensure that these are not directly touching the belt surface and causing mechanical damage to the belt itself or the PTFE surface.
 - Detergents for use in food processing applications can be utilized to clean the belts. However, it is advisable not to use detergents, which are strong bases (a pH of 8.0 maximum at operating temperatures). A detergent of similar pH can also be used for cleaning the non-electrical parts of the machine.
- Machine
 - Use hot water in cleaning system.
 - All rolls (especially the driver rollers) and platens should be regularly cleaned to prevent food build-up and carbonisation which causes mechanical damage (e.g. scraping of PTFE surface), belt deformation, and / or poor tracking.

Belt Tension and Machine Set-up

- Operate at minimum tension necessary to drive the belt.
- The lower the operating tension the longer the belt life.
- Ensure all rollers are straight and correctly aligned.
- Use of an automatic guiding system is recommended at all times
- Ensure belt continues to rotate while heating system is in operation

Operating Temperature

- CHEMFAB® CF and CL products are rated up to 260°C continuous for coated fabrics and laminates
- CHEMFAB® TCK products are rated up to 220°C continuous for all PTFE-aramid (Kevlar®) fabrics

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