



BNX® 1225 TPR and BNX 5010 TPR - optimized to improve customer manufacturing efficiency

- BNX 1225 TPR – Pelletized Antioxidant Concentrate in SIS
- BNX 5010 TPR – Pelletized Antioxidant Concentrate in SIS

Mayzo has developed a family of pelletized antioxidant concentrates in SIS (styrene-isoprene-styrene) thermoplastic elastomers for use in hot melt pressure sensitive adhesives using single or twin screw extrusion. TPR concentrates are:

- highly loaded pre-dispersed uniform pellets of antioxidants in SIS
- excellent heat and oxidation resistant stabilizers
- free flowing and dust free for accurate dosing and improved hygiene

Mayzo Custom Solutions Application Example:

Antioxidants typically need to be added in very low concentrations and evenly dispersed throughout the product to be effective. Feeding neat additives at low target concentrations has significant potential downsides. The finished product can be off-spec due to the additive not being at the correct final concentration (too high or low) and/or there could be excess cost due to over dosing of the additive. The TPR concentrate provides high melt resistance with non-bridging therefore decreasing variability and increasing processing efficiencies. Mayzo's TPR concentrates can be used to achieve a uniform dispersion of the antioxidant in the adhesive.

Summary of Benefits of BNX 1225 TPR and BNX 5010 TPR:

- Accurate dispensing in loss-in-weight feeders (*i.e.* K-TRON®)
- Increased processing efficiency
- Minimize feeding issues
- Improved hygiene
- Low volatility
- Excellent compatibility with styrenic polymers, engineering plastics, polyurethanes, and PVC
- FDA cleared for use in adhesive