

BENEFITS OF HIGH-PURITY BIOPHARMA PROCESSING THERMOPLASTIC TUBING IN SINGLE-USE SYSTEMS

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Key Words: thermoplastic, tubing, purity, extractables, thermoweldable

DuPont™ Liveo™ is a longstanding leading supplier of silicone solutions for biopharmaceutical processing, bringing expertise, technical and regulatory resources that guide and accelerate the validation process to adopt single-use systems.

DuPont™ launched its new DuPont™ Liveo™ Pharma TPE Tubing product line in Q4 2021, to complement Liveo™ Pharma Tubing and Overmolded Assemblies (OMA) product line for bioprocessing applications. Liveo™ Pharma TPE is thermoweldable tubing and targeted for use in biopharma processes to enable aseptic connection and disconnection of tubing without connectors (e.g., sampling) and can also be used in peristaltic pump applications.

While thermoplastic (TPE) tubing is not novel in Biopharma Processing, TPE tubing has been adopted increasingly in single-use bioprocessing applications thanks to its thermoweldability. Liveo™ Pharma TPE differentiates against current offerings with its superior purity profile, low extractables, exceptional mechanical properties, improved heat-welding to itself and compatibility with other TPE tubing. Not only is Liveo™ Pharma TPE Tubing weldable and compatible with other brands of TPE tubing, but it also improves the weld strength. The performance of Liveo™ Pharma TPE Tubing and excellence in its category have been confirmed by a comparative benchmark study.

In the current context of accelerated demand for single-use tubing in the steadily growing biopharmaceutical industry to support cell and gene therapies, cancer treatments, the continuing trend of increasing life expectancy and vaccine needs, DuPont™ is committed to meeting customers' requirements and industry supply by expanding its Liveo™ Pharma product offering with the addition of a complementary high-purity pharma TPE.