aquarius™ genesis
film coating systems

description
Aquarius™ Genesis film coating systems are designed for application at up to 35% solids, which can significantly increase productivity of continuous or traditional batch-based coating equipment. Aquarius™ Genesis film coating systems are formulated to provide a strong film with high adhesion and smooth appearance.

key features and benefits
Aquarius™ Genesis film coating systems are applied to immediate-release dosage forms and provide the following benefits:

- **higher solids**: film coating applied at up to 35% solids with typical viscosities in the 100-300 mPa·s range.

- **faster processing times**: up to 65% reduction in coating processing time, increased manufacturing capacity in existing equipment, lower capital investment of new coating lines, and lower energy cost.

- **lower processing temperatures**: provides protection to heat-sensitive APIs or to tablet formulations with dissolution characteristics negatively affected by normal (higher) aqueous coating process temperatures.

- **improved coverage**: enables lower weight loadings that can result in reduced raw material cost.

- **non-tacky coating system**: prevents surface-to-surface interactions known to be problematic during product packaging.

**figure 1**: Even at high solids levels up to 35% w/w, the viscosity of the formulation remains low, allowing faster spray rates to help achieve higher coating efficiency.
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