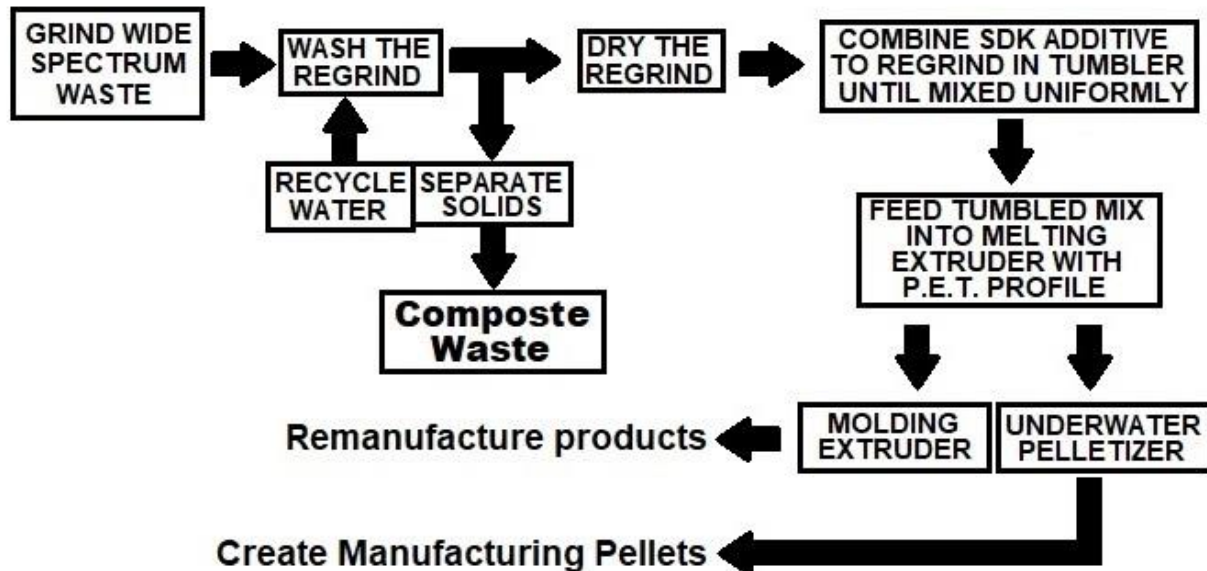


RECOMMENDED PROCESS FOR SDK ADDITIVE EVALUATION

SDK additive is to be introduced into the wide spectrum regrind at an amount equal to 2% of the total weight of the finished material.

The supplied EVALUATION Masterbatch Pellets are loaded with 25% of SDK additive. They have been manufactured this way to keep them protected from long term exposure to atmospheric moisture. As such, with a 25% load, the supplied 4 Lbs of Masterbatch pellets contains 1 Lb of SDK additive; therefore, it is meant to be added to 46 Lbs of clean regrind, resulting in 50 Lbs of finished INFINITY plastic.

TheMACROCorp. THE "INFINITY" PLASTICS MANUFACTURING CYCLE



- Grinding of the soiled raw wide spectrum waste should yield individual kernels in the .20 to .25 Inch range. The grinding machinery must be of the type that can handle unclean waste.
- The soiled regrind must then be cleaned. The system used to wash the soiled regrind must conform to local water cleanliness standards that separate the soil solids for composting or agricultural use, and that can recycle the wash water for conservation of clean water sources.
- The freshly washed regrind must be dried using any tumble drier, with either heated or unheated air until all surface water has been evaporated. Centrifuge driers are recommended as they will reduce the time to completion.
- Once dry the wide spectrum regrind should be then tumbled in a volume mixer where the plastics to be combined are blended for a sufficient time to be of a uniform consistency where SDK additive is then introduced.
- Do not mix the entire amount of the required SDK in the tumble mixer at one time. It is recommended that 25% of the required additive be introduced at 4 steps, with sufficient time between introductions to be assured that the SDK additive is evenly distributed within the volume of the cleaned regrind. Add color at this stage as well as SDK additive.
- Once the SDK additive has been distributed evenly throughout the wide spectrum regrind it is ready to be introduced into the melt extruder, and it is highly recommended that twin screw extruders be used, and that the temperature/flow profile be set for that of the polymer P.E.T. (PolyEtheylene Terephthalate).

The output of the melt extruder can feed molding systems to directly remanufacture new products or can be fed into a pelletizer that will create a product that can be used as a substitute for virgin pellets for certain applications. We strongly recommend that underwater pelletizing be used as it creates the most uniform pellets in the shortest amount of time, requiring the least energy, and significantly eliminates waste.

SDK FOR PRODUCTION: TheMACROCorp. SDK additive for production is supplied in much larger 20 Lb. vacuum packed pouches of 100% pure additive that is meant to convert 1000 Lb of regrind at a time. 100% pure powder is a better method for the distribution phase of the SDK additive while tumble mixing the cleaned and dried regrind for optimum uniform consistency prior to the loading of the melt extruder.