

Airbag Manufacturing

Case Study #105

Challenge:

An IEI customer makes Nylon 66 resin, which is converted into fiber to be sold to weaving companies who manufacture automotive airbags. This process involves trimming the fabric that has previously been handled as scrap. Some of the fabric is layered with paper or polyethylene film.

Customer Impact:

Any amount of resin that is converted to fabric and subsequently trimmed represents a “hidden cost” because conversion resources were used that did not result in manufactured product. Although the trimming process was necessary due to various airbag configurations, it was equally necessary to find a market for this material.

IEI Solution:

IEI collects this scrap from many different locations in the US and Mexico. A variety of airbag materials are sorted and baled at IEI facilities. Baled Nylon 66 material can be shipped back to the client’s reprocessing facility to be converted back into Nylon 66 reprocessed pellets. These reprocessed pellets can then be sold by the client for a wide variety of industrial applications.

Conclusion:

Material that was previously wasted can be sorted, re-processed, and re-used for other applications. This effort can lower overall cost, as well as benefit the environment.

THE TERM “PRODUCT SEWARDSHIP” CAN BE MORE THAN A “CATCH PHRASE.” WE CAN HELP YOU MAKE IT HAPPEN.

CALL US!