



Barbour Plastics, Inc.

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08/17/2020

Professor Mo Ehsani, PhD, PE, SE
Form-A-Tube, LLC
237 N. Vine Ave.
Tucson, AZ 85719

Re: Utilization of Rigid Vinyl Scrap in the Form-A-Tube product

Dear Professor Mo Ehsani,

Barbour Plastics has an extensive background using PVC regrind (internal scrap) to bring down cost of material in many products. This helps to reduce product cost and eliminate the need to dispose of scrap to material brokers and landfills. Our company would be willing to help you choose the right rigid vinyl with the right mix of PVC regrind while not sacrificing performance requirements. Processing regrind can be challenging as each time you pass the PVC material through the extruder you build up a heat history. When you have a longer heat history in the plastic you lose some of the heat stabilizers, lubricants and processing aids. This can affect the structural integrity of the finished part and the process becomes more difficult to control. You can offset some of the process issues by adding in a certain percentage of premium virgin material.

Barbour plastics has extensive experience in extruded products that are sold into the construction, commercial refrigeration, retail, marine and many other competitive markets using recycled regrind to bring down cost of many products. Should you have any questions regarding the use of regrind, profile design or our manufacturing process please reach out to me at your convenience.

Thank you,

Michael Casey Jr

Extrusion Sales

Tel: 508-583-8200, Ext 3094