

positive and negative environmental impacts associated with

## polyester (PET)

Polyester (PET) is a synthetic fiber derived from petroleum.

+	<ul style="list-style-type: none"><li>• melt-spun fiber - melt spinning is relatively cleaner than dry and wet spinning</li></ul>
-	<ul style="list-style-type: none"><li>• non-renewable resource</li><li>• long line of processing</li><li>• often involves use of carcinogenic chemicals such as benzene, toluene, arsenic, and heavy metals including antimony</li><li>• allergy-provoking dyes and carriers are added</li><li>• fiber production is energy and water intensive</li><li>• non-degradable</li><li>• no recycling infrastructure</li></ul>