

positive and negative environmental impacts associated with

## **vinyl (polyvinylchloride PVC)**

PVC is a synthetic fiber derived from petroleum.

+	<ul style="list-style-type: none"><li>• lower-embodied energy compared to other synthetic fibers</li></ul>
-	<ul style="list-style-type: none"><li>• non-renewable resource</li><li>• long-line of processing</li><li>• produced by wet or dry spinning, which is more polluting than wet spinning</li><li>• many carcinogenic chemicals such as phthalates are added. Phthalates are known endocrine disrupters</li><li>• PVC production produces dioxins, highly toxic substances that are linked with cancer. Dioxins are a global health threat because they persist in the environment and in mammals</li><li>• non-degradable</li><li>• PVC is harmful to the environment after disposal</li></ul>