

# ***Chlorinated Polyethylene (CPE) versus Polyvinyl Chloride (PVC)***

## **Technical Bulletin**

### **Description:**

Chloraloy® is made from chlorinated polyethylene (CPE). Most other shower pan liners are made from polyvinyl chloride (PVC). There are some important differences between the two polymers. For example, PVC must be plasticized in order to be flexible. Over time the plasticizers migrate out of the PVC leaving the membrane brittle and susceptible to cracking.

CPE is a naturally flexible elastomer and requires no plasticizers. CPE is also extremely durable and resistant to a broad range of temperatures and chemicals. CPE also has some benefits for installers. It will hold a crease so it can be folded and shaped outside the shower.

NobleSeal® sheet membranes are composites made from CPE with fiber laminated to both sides. Use of CPE allows Noble Company to guarantee that NobleSeal and Chloraloy membranes will not rot, crack or deteriorate for the life of the original tile installation.

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