

### **General**

HDPE like other polyolefin materials as PP, LDPE, PEX do have a non wet table surface and so are highly chemical resistant and cleaning is almost easy possible.

Depending on the reason for cleaning we propose following cleaning methods:

### **Cleaning before welding**

The material welding area like pipe ends need to be clean, dry and oil free before welding. Clean the inside and outside of the pipe ends to be welded by wiping with a new and clean, lint-free, non colored and non printed tissue/paper towel using PE pipe cleaner consisting of minimum 99% Ethyl alcohol or Ethanol. Any alcohol with less than 97%vol is not sufficient.

### **PE surface cleaning**

Depending on the contamination material and grade of contamination, cleaning can be processed by using

- Household detergent (ph7) applicable with cleaning brushes
- alkaline detergent (<ph12) applicable with cleaning brushes
- Steam blasting
- Water Jet blasting
- Dry Ice blasting (to clean from Epoxy, Grease or Oil)

If all above is not successful, physical removal of a thin surface layer may be considered.

### **Pipeline sterilization**

For most new installed drinking/potable water pipelines sterilization by chlorination is required. Please ask for details.

### **Inner pipeline cleaning**

Depending on the kind of contamination, multiple cleaning methods are available. Please ask for details.

### **Laboratory cleaning**

For organic trace analysis or sterilizations please ask for details.