

High Performance Cleaning Technology Using Split Filament Microfiber

Q: What is split filament microfiber?

A: Split filament microfiber is a man made miracle cloth that is made of a blend of polyester and polyamide. The filaments are constructed using melt spun endless filament webs using ultra fine fibers. The ultra fine fibers are 100 times finer than hair, eight times finer than wool, three times finer than cotton and two times finer than silk.

Q: How is split filament microfiber made?

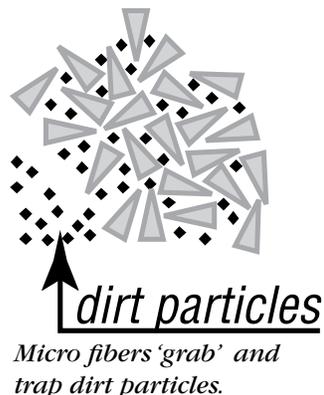
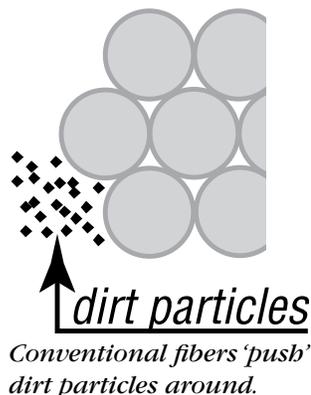
A: The spun filaments, before splitting, look like the cross section of an orange. The wedges of polyester are separated by polyamide. The extruded filaments are treated with a hydro-entanglement process that splits and entangles the filaments.



Q: What is the advantage of split filament microfiber over cotton?

A: The two main advantages are:

1.) Split filament microfiber has greater surface area when compared to cotton and other natural fibers. The greater surface area 'grabs' and holds dust and dirt particles.



2.) Split filament microfibers are softer than cotton. The following micro photograph shows a painted surface that has been rubbed with microfiber (left) and cotton (right).



3.) Split filament microfiber traps bacteria and removes 99.0% of the microbes from the surface. This is especially important with the increased use of touchscreen devices. (UC Davis Medical Center study on microfiber published June 2006.)

Caring For Your Split Filament Microfiber Cloth

Q: How should I clean split filament microfiber?

A: Machine or hand wash using a mild liquid detergent in cold water. Liquid is preferable to powder because some powder may not dissolve and will lodge in the fibers. Do not use fabric softeners. Fabric softener will lodge in the fibers and reduce the cloth's absorbency. Air or machine dry on low heat, do not iron.

