

High Performance Cleaning Technology Using Split Filament Micro-Fiber

Q: What is split filament micro-fiber?

A: Split filament micro-fiber 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 micro-fiber made?

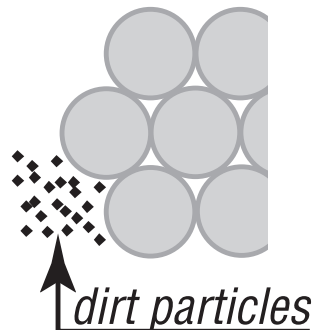
A: The spun filaments, before splitting, look like the cross section of an orange. The wedges of polyester are separated by polyamide. The extruded filaments are treated with a hydro-entanglement process that splits and entangles the filaments.



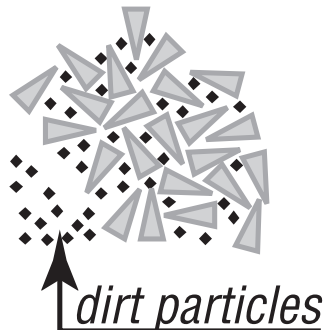
Q: What is the advantage of split filament micro-fiber over cotton?

A: The two main advantages are:

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

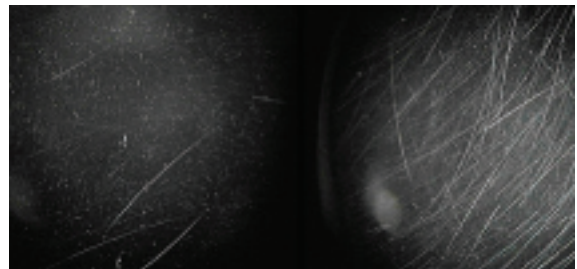


Conventional fibers 'push' dirt particles around.



Micro fibers 'grab' and trap dirt particles.

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



Caring For Your Split Filament Micro-fiber Cloth

Q: How should I clean split filament micro-fiber?

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. Machine dry on low heat, do not iron.

