

## KIMTECH Science\* Lens Cleaning Microfiber Wipers

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### **What are they?**

KIMTECH Science\* Lens Cleaning Microfiber Wipers are disposable, single-use wipers designed to efficiently clean lenses and delicate surfaces. They are constructed from splittable microfibers, which offer several advantages over the cotton fibers found in reusable rags or the cellulose fibers found in disposable tissues. The wipers are exceptionally strong and they maintain their strength when wet. They have a high absorbent capacity and can absorb aqueous or organic solvents.

### **How do microfibers clean without chemicals?**

Microfibers owe their ability to remove dust, oils and greases without the use of additional cleaning solvents to their unique geometry. Each microfiber is composed of a star-shaped nylon core, with interlocking polyester wedges. The spires of the star and the wedges have microscopically sharp edges that “scrape” oils, greases, and dirt into the matrix of the wiper. However, microfibers are suited for delicate surfaces because microscopically, there are no large, abrasive fibers that can scratch the surface. By comparison, traditional lens tissues must be used wet, because the larger cellulose fibers will scratch delicate surfaces when dry. Furthermore, lens tissues have no inherent cleaning capability, and must be used with chemical solvents that dissolve dirt and oil.



### **How do the KIMTECH Science\* Lens Cleaning Microfiber Wipers compare to launderable microfiber cloths?**

KIMTECH Science\* Lens Cleaning Microfiber Wipers contain the same kind of fibers found in more expensive microfiber cloths. However, the KIMTECH Science\* Lens Cleaning Microfiber Wipers are designed to be thrown away after use so that dirt isn't transferred from one delicate surface to another. They can also be used for primary cleaning, unlike expensive microfiber cloths, which are normally reserved for final polishing.

	<b>Traditional Lens Cleaning Tissue</b>	<b>KIMTECH Science* Lens Cleaning Microfiber Wipers</b>
<b>Composition</b>	Cellulose Fibers	Polyamide/Polyester Microfibers
<b>Wet Strength</b>	Low – Wet tissues tear apart easily	Very High – Wetness does not affect the integrity of the wiper
<b>Additional Cleaning Solvents Needed?</b>	Yes – Chemical solvents must be used for cleaning; tissue merely soaks up solvents	No – Microfiber geometry can clean water, oils, dirt, and grease.  However, the wiper is compatible with cleaning solvents.
<b>Absorbs Water?</b>	Yes	Yes
<b>Absorbs Oil?</b>	Not Easily	Yes
<b>Leaves lint?</b>	Yes, especially from torn edges	No – Fibers are longer and don't leave the wiper easily
<b>Chemically Pure?</b>	Yes	Yes
<b>Disposable?</b>	Yes	Yes