

# Novel Technologies Utilizing Keratin Feather Fiber

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A handful of fibers



One fiber

## Filters/mats

## Cosmetics

## Coatings/films

## Composites

## Paints



Air-laid:  
house  
insulation;  
automobile  
headliner.

Liquid keratin:  
additive in  
cosmetics,  
shampoo, skin  
products,  
\$8.00/lb.

Mulching film,  
\$0.10/m<sup>2</sup>;  
Biomedical  
applications,  
several \$/lb.

Add to polymers  
using conventional  
processes,  
~\$0.50-1.00/lb.

Disperse in  
water or  
suitable  
liquid.