



# Kevlar®

cut fiber

## Specialty Additives for Enhanced Performance

KEVLAR® brand cut fiber is a 100% para-aramid fiber with very high tensile strength for use as a high-performance reinforcement fiber. Whether used alone or in conjunction with other fibers, KEVLAR® cut fiber will impart dimensional stability, abrasion resistance, toughness and stable performance in very extreme environments. The KEVLAR® cut fiber tensile-to-weight ratio is greater than steel.

KEVLAR® cut fibers are currently used in plastics (thermoset and thermoplastic) for wear resistance, toughness, abrasion resistance and dimensional stability. They may act in a matrix to reduce dripping of thermoplastics when their softening points are exceeded.

KEVLAR® cut fiber is available in commercial lengths from 1.5 mm to 0.5 inch.



### *Typical properties of KEVLAR® cut fiber*

Description	Precision-cut short fibers
Color	Yellow
Useful temperature range	-200 to +350°C
Specific gravity	1.45
Specific surface area	0.2 m <sup>2</sup> /g
Aspect ratio	120–240 (1.5 mm–3.0 mm)
Available lengths	1.5 mm, 3.0 mm, 0.25 inch, 0.5 inch
Fiber diameter	12 μm
Fiber tenacity	424,000 PSI
Nominal moisture content	6% dry; 33% wet

**For more information about KEVLAR<sup>®</sup>, or to receive  
a list of distributors, please call 1-800-4-KEVLAR (453-8527).**

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