

TORAY Liquid Crystal Polymer Fiber

- SIVERAS -



TORAY SIVERAS[®] fiber is a high-performance fiber developed with TORAY's polymer technology of liquid crystal polymer (LCP) and providing unique characteristics such as;

- Outstanding strength and high modulus
- Excellent wet strength
- Minimal water absorption
- Dimensionally stable and minimal creep
- Excellent vibration damping property
- Resistant to heat, flame and acids



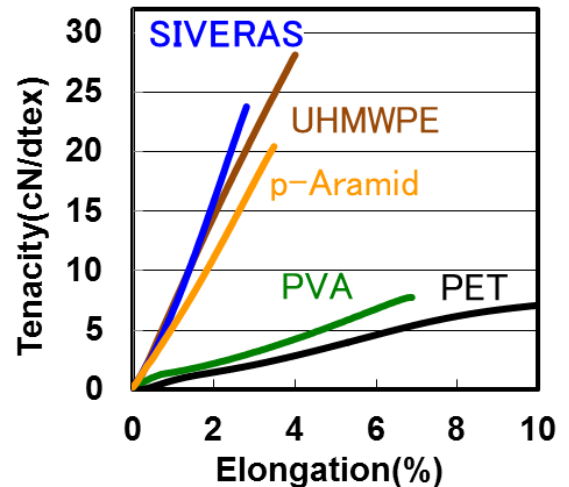
With these characteristics, TORAY SIVERAS[®] fiber finds a broad range of industrial applications including; Ropes, Fishing Nets, Sporting Nets, Slings, Protective cloths and gloves, Strength member for optical fibers and etc.

【Products Range】

Fiber Fineness : 425-1700 dtex
 Single Filament Fineness : 6-12 dtex
 (e.g. 1700dtex-288f, 1100dtex-144f, etc.)

【Supply Form】

Filament , Cut fiber , Twisted



	Tenacity (cN/dtex)	Elongation (%)	Modulus (cN/dtex)	Density (g/cm ³)	Wet Tenacity	Dimensional stability	Heat resistant	UV resistant
TORAY SIVERAS	24	2.8	690	1.39	★★★★★	★★★★★	★★★	★
P-Aramid	20	3.6	490	1.44	★★	★★	★★★★★	★★
UHMW PE	>26	3~5	>790	0.97	★★★★★	★	★	★★★