

(Liquid body armor)

(nano technology)

가 .

70,000~80,000 nm 가 .

, 가 .

(Shear thickening

fluid: STF) “ ”가 .

Armor Holding 가

가 .

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Armor Holding

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(University of

Delaware's Center for Composite Materials)

(Norman Wagner)

(Weapons and Materials

Research Directorate at the U.S. Army Research Laboratory)

(Eric

Wetzel)

. Armor Holdings

가

Barrday Inc.

. Barrday

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가

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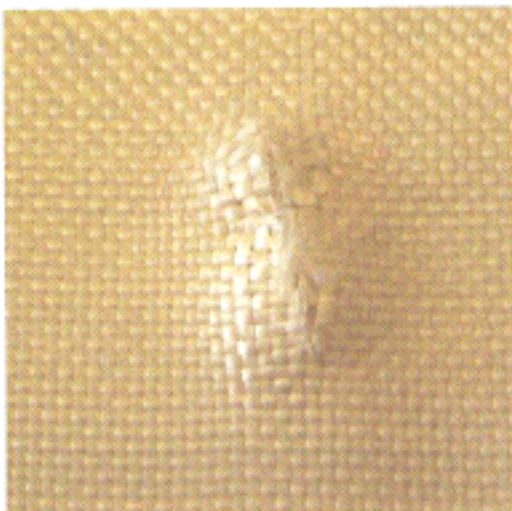
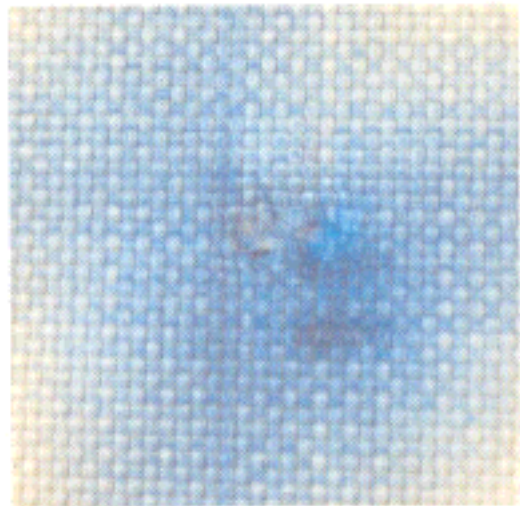
가

(STF) . STF (polyethylene glycol) , . STF

가 . STF

가 가

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a.

b. STF 가

< 1> STF 가

A close-up photograph of a metal probe or needle, likely a hypodermic needle, lying on a dark, textured surface. The needle has a hexagonal base and a long, tapered, pointed tip. The surface it lies on appears to be a coarse, dark material like sand or gravel. The lighting creates a strong highlight along the length of the needle's shaft, emphasizing its metallic texture and sharp point.

STF가

STF

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. STF가

STF

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. STF

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STF

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STF

STF

(layer)

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STF

4

(1.8kg)

가

가

. Armor Holding

가

\$500~\$600

가

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