



### 1) Which material for which risk(s)?

★ Low    ★★ Average    ★★★ Good    ★★★★ High    ★★★★★ Very high

	Abrasion	Cutting	Tearing	Perforation	<b>Performance</b> 	<b>Performance</b> 
<b>Leather</b>	★★★	★	★★	★★★★	<b>Mechanical</b> - Good abrasion resistance - Good resistance to grease (with oil-repellent treatment) - Flexibility and comfortable feel - Dexterity  <b>Thermal</b> - <b>Insulated</b> against cold if lined - Good grip in cold environments	<b>Mechanical</b> - Very low resistance to cutting - Limited dexterity - Variable consistency in quality  <b>Thermal</b> - Limited to +/- 100°C - Carbonisation at 180°C (does not melt) - Relative impermeable
<b>Cotton</b>	★	★	★	★	<b>Mechanical</b> - Comfortable fabric to wear - Breathable - Protection of the object handled - Good grip of objects - Absorbs perspiration  <b>Thermal</b> - Good thermal resistance (hot and cold)	<b>Mechanical</b> - Dries slowly - Low resistance to abrasion and cutting  <b>Thermal</b> - Limited to 250°C
<b>Textured Polyamide</b>	★★★	★	★★	★	<b>Mechanical</b> - Stretchable and thin (fine) - Good dexterity - Good resistance - Good abrasion resistance	<b>Mechanical</b> - Low resistance to cutting  <b>Thermal</b> - Melts at 180°C
<b>Polyester</b>	★★★	★	★★	★	<b>Mechanical</b> - Very good resistance to abrasion - Stretchable and (thin) fine	<b>Mechanical</b> - Slippery - Not very comfortable
<b>HPPE Spectra® Dyneema®</b>	★★★★★ ★	★★★★★	★★★★★ ★	★	<b>Mechanical</b> - Excellent level of mechanical protection	<b>Thermal</b> - Melts at 145°C
<b>Aramids Kevlar® Twaron® Nomex®</b>	★★	★★★★★	★★★★★ ★	★	<b>Mechanical</b> - Good resistance to cutting  <b>Thermal</b> - Carbonisation > at greater than 400° C (does not melt) - Good resistance to heat	<b>Mechanical</b> - Average resistance to abrasion - Cannot be washed with bleach - Sensitive to UV light

Latex	★★	★★	★★	★★★	<b>Mechanical</b> - Very good grip - Very high level of comfort - Very high flexibility	<b>Mechanical</b> - Not breathable  <i>May cause allergic reactions</i>
PVC	★★★★	★★	★★	★	<b>Mechanical</b> - Very good abrasion resistance - Good resistance to grease and oil - Good grip	<b>Mechanical</b> - Not breathable - Hardens at low temperature - Limited flexibility and dexterity  <i>Difficult to recycle</i>
Neoprene	★★	★★	★	★	<b>Mechanical</b> - Good flexibility  <b>Thermal</b> - Good resistance to cold - Keeps its flexibility despite fluctuations in temperature	<b>Mechanical</b> - Not breathable
Nitrile	★★★★	★★	★★★★	★★★	<b>Mechanical</b> - Good resistance to grease and oil - Good resistance to hydrocarbon derivatives  <b>Thermal</b> - Good resistance to cold - Excellent abrasion resistance	<b>Mechanical</b> - Limited flexibility  <b>Thermal</b> - Hardens in cold temperatures