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Date: 10/02/2020


Burn Lab

Use this worksheet to capture the results of your burn lab, including pictures. Refer to [The Burn Test](#) chart from *Threads* magazine to identify the fabric.



BE CAREFUL!

Fabric 1 <i>Insert picture of fabric swatch</i>		
Behavior of the fabric as it approached the flame	Fuses and shrinks away from flame	
Behavior of the fabric in flame	Ignites and burns slowly; melts	
Behavior of the fabric when removed from flame	Burns slowly with difficulty	
Describe odor (<i>don't smell until cool!!</i>)	Chemical; maybe some else as well?	
Describe the ash	Crisp, hard, dark ash; mostly won't crush	
Picture of burning fabric OR the resulting ash		
What type of fabric did you test?	wool and polyester blend	

Fabric 2 <i>Insert picture of fabric swatch</i>	
Behavior of the fabric as it approached the flame	Scorches; ignites quickly
Behavior of the fabric in flame	Burns quickly; yellow flame
Behavior of the fabric when removed from flame	Continues to burn rapidly; has afterglow
Describe odor (<i>don't smell until cool!!</i>)	Burning paper
Describe the ash	Light and feathery gray ash
Picture of burning fabric OR the resulting ash	
What type of fabric did you test?	cotton

Fabric 3 <i>Insert picture of fabric swatch</i>	
Behavior of the fabric as it approached the flame	Fuses and shrinks away from flame
Behavior of the fabric in flame	Melts and burns
Behavior of the fabric when removed from flame	Continues to melt and burn
Describe odor (<i>don't smell until cool!!</i>)	Sharp, bitter
Describe the ash	Soft, sticky, gummy

Picture of burning fabric OR the resulting ash		
What type of fabric did you test?	spandex	

Fabric 4 <i>Insert picture of fabric swatch</i>		
Behavior of the fabric as it approached the flame	Ignited almost instantly; fused	
Behavior of the fabric in flame	Flames rapidly; sputters	
Behavior of the fabric when removed from flame	Continues to burn and melt	
Describe odor (<i>don't smell until cool!!</i>)	Chemical	
Describe the ash	Irregular, hard, black, bead	
Picture of burning fabric OR the resulting ash		
What type of fabric did you test?	acrylic	