



# Hansen Fire & Safety

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Manufacturer and Master Distributor to Dealers Worldwide

## FireCraft® Hood Comparison Chart

| Fabric                                      | 100% Nomex  | Nomex Blend   | PBI  | Carbon   |
|---|---|---|--|--|
| <b>Color</b>                                | White – Rib Knit  | White - Rib Knit  | Light Brown - Rib Knit   | Black - Rib Knit   |
| <b>Item #</b>                               |   |   |  |  |
| • Standard                                  | • Hd-Nmx100   | • Hd-NmxBI  | • Hd-PBI   | • Hd-C6  |
| • Flared Long                               | • Hd-Nmx100-FL  | • Hd-NmxBI-FL   | • Hd-PBI-FL  | • Hd-C6-FL   |
| <b>Material Composition</b>                 | 100% Nomex  | 20% Nomex / 80% Lenzing FR  | 20% PBI / 80% Lenzing FR   | tri-blend yarn for added strength/durability   |
| <b>Material Weight</b> <i>approx.</i>       | 8.2 oz. / sq. yd.   | 7.2 oz. / sq. yd.   | 6.4 oz. / sq. yd.  | 6.5 oz. / sq. yd.  |
| <b>Material Properties</b>                  | <ul style="list-style-type: none"> <li>• Heavier weight material</li> <li>• Favorable in cooler climates</li> <li>• DuPont name known in the industry (“old reliable”)</li> </ul> | <ul style="list-style-type: none"> <li>• Most economical option</li> <li>• Favorable in hot climates</li> <li>• Available in a variety of colors</li> </ul> | <ul style="list-style-type: none"> <li>• Lightest weight material that is NFPA compliant</li> <li>• Everyone knows the material (has been proven in the fire industry; “old standby”)</li> </ul> | <ul style="list-style-type: none"> <li>• 4<sup>th</sup>-generation advanced technology</li> <li>• Excellent protection against extreme radiant &amp; electric arc heat – will not ignite, melt, char or stiffen</li> </ul> |
| <b>TPP (Thermal Protective Performance)</b> | 25 cal/cm <sup>2</sup><br>(NFPA minimum is 20)  | 26 cal/cm <sup>2</sup><br>(NFPA minimum is 20)  | 27 cal/cm <sup>2</sup><br>(NFPA minimum is 20))  | 31.8 cal/cm <sup>2</sup><br>(NFPA minimum is 20)   |
| <b>Moisture Management</b>                  | <ul style="list-style-type: none"> <li>• Fabric designed to wick moisture away from skin</li> </ul>   | <ul style="list-style-type: none"> <li>• Light weight material for body cooling down process</li> </ul>   | <ul style="list-style-type: none"> <li>• Light weight material for body cooling down process</li> </ul>  | <ul style="list-style-type: none"> <li>• Best moisture wicking and breathability</li> <li>• Reduces the risk of heat stress and fatigue</li> </ul>   |
| <b>Comfort</b>                              | <ul style="list-style-type: none"> <li>• Heavy weight for added thermal protection</li> <li>• Nice feel against skin</li> <li>• Rib knit provides stretch</li> </ul>              | <ul style="list-style-type: none"> <li>• Soft as cotton</li> <li>• Light weight</li> <li>• Rib knit provides stretch</li> </ul>                             | <ul style="list-style-type: none"> <li>• Light weight</li> </ul>   | <ul style="list-style-type: none"> <li>• Disperses heat evenly</li> <li>• Low heat conductivity</li> <li>• Delays transmission of heat</li> <li>• Does not absorb odors</li> </ul>   |
| <b>Stability of Material / Washing</b>      | <ul style="list-style-type: none"> <li>• Easily passes the NFPA Cleaning Shrinkage test</li> <li>• Retains shape after washing</li> </ul>   | <ul style="list-style-type: none"> <li>• Easily passes the NFPA Cleaning Shrinkage test</li> <li>• Retains shape after washing</li> </ul>                   | <ul style="list-style-type: none"> <li>• Passes the NFPA Cleaning Shrinkage test</li> </ul>  | <ul style="list-style-type: none"> <li>• Finished to minimize shrinkage</li> <li>• Easily passes the NFPA Cleaning Shrinkage test</li> <li>• Superior dimensional stability (shape retention)</li> </ul>                   |
| <b>Anti-Static</b>                          | --  | --  | --   | <ul style="list-style-type: none"> <li>• Anti static - less static buildup and discharge</li> </ul>  |