

Material	Material Descriptions	Applications	Summary
KeyGuard	Keyguard fabric is a cost savings alternative to Tyvek® that provides the worker with outstanding protection, durability, and comfort. Keyguard is microporous polyolefin in fabric that is very effective.	<ul style="list-style-type: none"> • Clean rooms class 1000 and above • Lab work when full body protection is required • Fiber Glass manufacturing and installation • Industrial research and Clinical facilities • Pharmaceutical mixing applications and general clean up • Food Processing • Asbestos Abatement sites • General paint spray • Automotive paint spray • Mold Abatement • Lead Abatement • Plant clean ups 	Microporus will abraid when in contact with rough surfaces. The film lamination on the exposed side fractures when exposed to rough surfaces. We suggest SMS 55 gram coverall fabric when application is rough surface contact. The primary advantage over Tyvek is that KG wicks away body moisture build up, this cools the body temperature. The KG is also much more liquid repellent than Tyvek which can be penetrated by liquid substances.
Polypropylene	Spun bonded polypropylene is a light weight, breathable fabric that provides economical protection against non hazardous, grimy-work environment applications. It is the best low cost solution for protecting workers against dry particulates, dirt and grime. Spun bonded polypropylene is appropriate for wear in the non toxic workplace and is a low cost solution for protecting workers in dirty environments.	<ul style="list-style-type: none"> • 30 gram weight polypropylene apparel can be used in the following applications • Food Processing • Non Hazardous dry particulate exposure • General Maintenance when heavy liquid substances are absent • Light duty protection against dirt, dust, and grime 	Please note when more durability and more particulate hold out is required we suggest using the heavier 45 gram weight polypropylene apparel items.
SMS Polypropylene	SMS barrier fabric is unique tri-laminate construction that offers a high tensile strength and toughness that is also soft, drapable, and easy to work with. This material offers excellent barrier protection while keeping the worker cool and comfortable. SMS provides a fluid and particulate barrier to protect the worker without sacrificing mobility and comfort. Garments constructed of SMS fabric are strong and durable, yet offer outstanding comfort, breathability, softness, and wear ability. SMS is lightweight and resistant to tears and punctures.	<ul style="list-style-type: none"> • Maintenance/General Clean Up/Shutdown Operations • Working with oil and grease • Manufacturing/Assembly Operations • Dusty Environment/Fine particle protection /Fiberglass • Asbestos/Lead Abatement • Food Processing • Laboratories/Pharmaceuticals • Agriculture • Electronics • Aerospace • Printing • Mold Remediation 	Based on the Fabric durability and barrier properties this is an adequate substitute for Tyvek. Price advantage over Tyvek-savings to distributor is on the average 50%

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Laminated Polypropylene	Coated polypropylene has the added benefit of a solid sheet of polyethylene bonded to the surface providing protection where liquid splash is a concern. The polyethylene film is impervious and non-linting with great tensile strength. Great for pesticide spraying, asbestos/mold remediation, painting, light acid splash protection, and any wet general maintenance areas. An economical solution for light non hazardous splash protection	<ul style="list-style-type: none"> • Wet messy jobs • Dry chemical powder exposure • General Maintenance 	
Tyvek®	Tyvek® is spun bonded olefin fabric that is made from high density polyethylene fibers that offer unique qualities of excellent barrier protection and strength. Tyvek ® is lightweight and highly resistant to tears and punctures. Spun bonded olefin is strong, lightweight, flexible smooth, low linting, opaque and resistant to water and chemicals. The unique low linting properties, combined with the barrier properties, make Tyvek ® garments and excellent choice for clean room apparel in pharmaceutical manufacture and electronic device assembly	<ul style="list-style-type: none"> • General rough and tough maintenance/operations • Spray painting • Lead abatement • Environmental clean up • Asbestos abatement • Agriculture • Food processing • Mold remediation • Clean rooms class 1000 and above. 	Tyvek is not liquid proof only splash resistant. Tyvek does not offer any wicking away of body heat moisture. Tyvek is double in price compared to SMS and Microporous materials that work in the same applications. Tyvek is fibrous unless laundered for class 100 and class 10 clean room use.