

HAND PROTECTION

COMPARISON OF COATINGS

COATING TYPES		6894	6891		6893	6670	3993	3999	3734NR	6901
		NITRILE Flat/Non-Foam	NITRILE Foam Sandy		NITRILE/PU BLEND	PVO ₂ TECHNOLOGY (PVC Foam)	NATURAL LATEX	NATURAL RUBBER LATEX Foam Crinkle		POLYURETHANE (PU)
General Properties		Less flexible, smooth, average thickness, non-porous	Flexible, average thickness, porous		Flexible, thin, smooth, light-weight, porous	Soft, comfortable, durable	Flexible, relatively thick, non-porous, good elasticity, comfortable	Soft, porous texture	Heavy, wavy texture	Strong, thin, durable, lightweight, porous
Abrasion Resistance		Excellent	Good	Excellent	Good	Good	Good	Good		Excellent
Coating Characteristics		Slightly stiff, least flexible of all coatings, similar durability to PU, high degree of tackiness	Good durability, but less resistant to abrasion than flat nitrile, slight tacky finish	Added gripping power, minimal tackiness	Lightest in weight and coating thickness, best flexibility of all coating types, slightly tacky for extra gripping power	Hard wearing, relatively poor resistance to abrasion when compared to PU and/or nitrile, minimal tackiness	Flexible, good durability, less resistant to abrasion compared to PU and/or nitrile, minimal tackiness	Flexible, good durability, less resistant to abrasion compared to PU and/or nitrile, minimal tackiness		Good Flexibility, softness, high resistance to abrasion & wet grip compared to most available materials, very clean, no tackiness
Grip	Dry	Good	Excellent	Excellent	Good	Excellent	Good	Good		Excellent
	Oil	Poor	Excellent	Excellent	Good	Good	Not Recommended	Not Recommended		Excellent
	Water	Poor	Excellent	Good	Good	Excellent	Good	Good		Excellent
Strengths		<ul style="list-style-type: none"> Highest resistance to chemicals & solvents compared to other coatings High resistance to abrasion 	<ul style="list-style-type: none"> Flexible & soft High liquid permeability times 	<ul style="list-style-type: none"> Flat inner layer & sandy outer layer prevent liquid penetration 	<ul style="list-style-type: none"> Good flexibility Good coating breathability Good oil & water grip 	<ul style="list-style-type: none"> Soft, comfortable & flexible Excellent dry & wet grip Great for use with adhesives 	<ul style="list-style-type: none"> Good flexibility & tensile strength 	<ul style="list-style-type: none"> Good flexibility & tensile strength 		<ul style="list-style-type: none"> Breathable Flexible Excellent dry, wet and oil grip
Limitations		<ul style="list-style-type: none"> Poor oil & water grip No coating breathability 	<ul style="list-style-type: none"> Water can easily pass through (high permeability) Low resistance to abrasion 	<ul style="list-style-type: none"> Water will not penetrate, but will decrease gripping ability 	<ul style="list-style-type: none"> Water can easily pass through (high permeability) Low resistance to abrasion 	<ul style="list-style-type: none"> Some smudging can occur due to plasticizers on coating Low resistance to heat 	<ul style="list-style-type: none"> Poor oil resistance May cause latex allergies 	<ul style="list-style-type: none"> Poor oil resistance May cause latex allergies 		<ul style="list-style-type: none"> Porous, high permeability
Prop 65 Compliant		Yes	Yes	Yes	Yes	No	Yes	Yes		No
Food Contact Safe		Component materials are safe for food contact.	Component materials are safe for food contact		Component materials are safe for food contact	Not recommended for food contact.	Component materials are safe for food contact.	Component materials are safe for food contact.		Component materials are safe for food contact
General Temperature Ranges (Fahrenheit)		25-300° F	25-300° F		25-300° F	25-150° F	0-300° F	0-300° F		25-300° F
IDEAL APPLICATIONS	Automotive Assembly				√					
	Assembly with Adhesives					√				
	Agriculture						√		√	
	Bottling/Canning						√		√	
	Construction	√		√		√	√		√	
	Durable Goods Assembly		√							
	Electronics	√			√					
	Engineering				√					
	Fishing						√		√	
	Food Packing	√								
	Furniture	√								
	Glass Handling						√		√	
	Inspection				√					√
	Intricate Assembly									√
	Light Fabrication									√
	Machine Operations		√	√						
	Maintenance				√		√			
	Manufacturing									
	Material Handling		√					√	√	
	Masonry			√						
	Oil Refining	√								
Pesticides	√									
Petrochemical	√									
Plumbing						√				
Small Parts Handling			√						√	
Warehousing	√									
Wiring		√				√				

