COMPARISON OF COATINGS

NITRILE FLAT (ADDED CRUMBS FOR NITRACHEM)

SPONGE/FLEX

MICRO FOAM (DS)

2NFT

12NFT

NITRILE LATEX WAVES PATTERN

HYDROPELLENT TECHNOLOGY (HPT)

PVC MULTI DIP

NATURAL RUBBER LATEX

BI-POLYMER (NITRILE/PU BLEND)

POLYURETHANE (PU)

		NITRILE								
COATING TYPES		Nitrile Flat (added Crumbs for Nitrachem)	Sponge/Flex	Micro Foam (DS)	2NFT	12NFT	Nitrile Latex Waves Pattern			
COATING DESCRIPTION/ FEATURES		High resistance to abrasion (similar to PU), tacky finish, excellent dry grip FDA Approved	Sponge coating (chemically foamed) offers slightly better wet and oil grip than flat Nitrile. It is softer and more flexible, however less soft and breathable than Alr Foam Nitrile	Can be formulated thinner than Nitrile foam coating. Micro foam coatings finish have a slightly tacky finish	Unique porous structuire with suede finish on Nitrile coating, Offers good wet and oil grip More elastic and form-fitting compared to other Nitrile coatings	Unique porous structure with suede finish over smooth finish (double layered) Nitrile coating. Oil/glue does not permeate	Solvent free, "Waves" pattern structure, Nitrile Latex coating provides flexibility and highest resistance to abrasion Excellent dry and wet grip with good			
STICS	Finish	Smooth	Smooth	Textured	Textured	Textured	oil grip Crinkle			
	Weight	Medium weight	Medium weight	Light weight	Medium weight	Medium weight	Heavy weight			
CHARACTERISTICS	Breathability	N/A	Fair Breathability	Very Good Breathability	Very Good Breathability	Good Breathability	Poor Breathability			
CHAR	Flexibility	Good Flexibility	Good Flexibility	Very Good Flexibility	Very Good Flexibility	Good Flexibility	Fairly Flexible			
GEN	IERAL TEMPERATURE RANGES	25-300 degrees	25-300 degrees	less than 215 degrees preferred	Not available	Not available	25-300 degrees			
	Dry	Excellent	Good	Good	Good	Good	Excellent			
GRIP	Oil	Poor	Good	Good	Excellent	Good	Good			
G	Wet	Poor	Fair	Fair	Very good	Good	Good			
	LIMITATIONS	Poor breathability, less soft so faster hand fatigue, ineherently soapy in wet environment	Ineherently soapy in wet environment and permeable	Ineherently soapy in wet environment and less permeable than Sponge Nitrile	Due to porous structure, moisture penetration is high Lower abrasion resistancve and durability compared to flat	Less flexible compared to 2NFT due to double coating	Less flexible, reduced tactility			
	Abrasion Level	4	3	4	4	4	4			
3,	Cycles	8000	2000	8000	8000	8000+	8000+			
388 (COATING + 15GG POLYAMIDE LINER)	Cut Level	1	1	1	1	1	1			
ING DE L	Index Value	1.6	1.7	1.38	1.7	1.7	1.8 - 2.1			
COA	Tear Level	2	3	2	4	3	3			
88 (POL	Newton	42	60	45.5	110	59	60-62			
EN 3	Puncture Level	1	2	2	1	1	1			
	Newton	48	61	60.1	35	40	56.7			
	APPLICATION	Automotive, assembly, food packing, furniture manufacturing, pesticides, oil refining Component materials are safe for food contact. Good for chemical applications	Automotive, construction, material handling, engineering, assembly, inspection/examination Component materials are safe for food contact, but porous properties will allow bacteria to develop	Automotive, construction, material handling, engineering, assembly, inspect/ examination Moderate cool temperatures, where protection is still needed	Agriculture, material handling, packing, construction, furniture manufacturing, glass handling, bottling operations Component materials are safe for food contact	Agriculture, material handling, packing, construction, furniture manufacturing, glass handling, bottling operations Component materials are safe for food contact	"Waves" structure ideal for maximum dexterity, comfort. Automotive/ transport, aerospace, utilities			
SULTS	Manual Operation of Solvent Dipping - Hrs				18 hours					
COATING WEARER TRIAL RESULTS	Manual Operation of Compound Dipping - Hrs	20 hours	17 hours		26+ hours	26+ hours				
ARER 1	Lift Loading Operation - Hrs				26+ hours					
ING WE	Tyre Changing Workshop - Days	20+ days			8 days		60 days			
COAT	Engineering Workshop - Days				12 days					
	NINJA STYLES	TBA	TBA	TBA	ТВА	ТВА	TBA			

COATING TYPES		P	PVC	Natural Rubber Latex Bi-Polymer Polyurethand		
		Hydropellent Technology (HPT™)	PVC Multi Dip	Natural Rubber Latex	Bi-Polymer (Nitrile/PU Blend)	Polyurethane (PU)
COATING DESCRIPTION/ FEATURES		Exetremely durable, flexible, sponge touch, anti-vibe finish. Excellent wet grip, minimal tackiness. REACH/Prop 65 Compliant	Liquid proof coating with good wet, dry, and oil grip Coating is tacky and rough for extra gripping power Chemical Resistance & REACH/ Pro 65 Compliant	Flexible, moderate tenacity coating, less resistant to abrasion compared to PU & Nitrile. Latex coating have minimal tackiness Excellent dry grip and god wet grip. FDA approved	Light weight with excellent flexibility Coating is slightly tacky for extra gripping power	Lightweight Flexible Durable Clean Non-tacky
CHARACTERISTICS	Finish	Textured	Particle/Rough	Crinkle	Smooth	Textured
	Weight	Heavy weight	Heavy weight	Heavy weight	Light weight	Light weight
	Breathability	Very Good Breathability	N/A	Poor Breathability	Good Breathability	Excellent Breathability
	Flexibility	Good Flexibility	Fair Flexibility	Excellent Flexibility	Excellent Flexibility	Excellent Flexibility
GEN	NERAL TEMPERATURE RANGES	25-150 degrees	25-150 degrees	0-300 degrees	25-300 degrees	25-300 degrees
GRIP	Dry	Very Good	Excellent	Excellent	Very good	Good
	Oil	Good	Good	Not recommended	Good	Good
	Wet	Excellent	Excellent	Good	Not recommended	Good
LIMITATIONS		Suspect oil grip, marring/ smudging due to plasticizers on coating Low resistance to hear	Marring/smudging due to plasticizers on coating Reduced tactility	Sensitive to heat Poor oil/grease resistance Can cause allergic reactions due to presence of latex proteins	Water can easily pass through High permeability Lower resistance to abrasion	Porous High permeability DMF levels
	Abrasion Level	4	4	3	2	4
3. 3.	Cycles	8000	8000+	2500	500	8000
888 (COATING + 15GG POLYAMIDE LINER)	Cut Level	1	1	1	1	1
TING	Index Value	1.3 - 1.5	1.5 - 1.7	1.6	1.7	1.7
COA	Tear Level	3	2	3	3	3
EN 388 (Newton	55-80	24-49	57.5	54.4	65
	Puncture Level	1	1	1	1	1
	Newton	46-54	46-54	41.5	35.8	35
	APPLICATION	Petrochemical industry, shipping and receiving, plumbing, general construction	Long lasting, well suited to a variety of applications such as high dexterity, good oil grip, best wet & dry grip Good for chemical applications	Agriculture, material handling, packing, construction, furniture, manufacturing, glass handling, bottling operations Component materials are safe for food contact	Automotive, engineering, electronics, maintenance, inspection, packaging Component materials are safe for food contact, but porous properties will allow bacteria to develop	Detailed assembly, inspection, light fabrication and small parts handling, general purpose
COATING WEARER TRIAL RESULTS	Manual Operation of Solvent Dipping - Hrs					16 hours
	Manual Operation of Compound Dipping - Hrs			17 hours	20 hours	18 hours
	Lift Loading Operation - Hrs					20+ hours
	Tyre Changing Workshop - Days	30 days		20 days		15 days
	Engineering Workshop - Days	2 days (stopped/sweaty)		2 days (stopped/ sweaty)		26 days
	NINJA STYLES	TBA	ТВА	ТВА	TBA	TBA