

## Dipped Material Comparison Chart

	Natural Rubber Latex	Synthetic Polyisoprene	Neoprene Polychloroprene
	NR	SNR / IR	CR
Durometer Shore "A"	35 ± 5	36 ± 5	55 ± 5
Characteristics	<p>Outstanding resilience; high tensile strength; superior resistance to tear and abrasion; excellent rebound elasticity (snap); good flexibility at low temperatures; excellent adhesion properties. Natural rubber is a low cost material with excellent physical properties. It is ideal for applications that require good resistance to abrasion, gouging and cut growth.</p>	<p>The base polymer is the same as natural rubber but then polymerized to produce artificial latex. Slightly better resistance to weather and its properties are more consistent because of its purity and uniformity. It is inferior to natural rubber in tensile strength, tear resistance, and compression set. Without allergy concerns of its natural latex counterpart.</p>	<p>Good inherent flame resistance; moderate resistance to oil; excellent adhesion to fabrics and metals; very good resistance to weather, ozone, and natural aging; good resistance to abrasion and flex cracking; very good resistance to alkalis and acids.</p>
Typical Physical Properties – (ASTM D-412)			
Tensile	3500 PSI min	2700 PSI min	2500 PSI min
Ultimate Elongation	750% min	750% min	770% min
300% modulus	250 PSI avg	230 PSI avg	390 PSI avg
Natural color	Amber	Amber	Cream
Colorability	YES	YES	YES
Thickness Range	.006" - .078"	.006" - .020"	.006" - .020"

\* The buyer must perform all tests necessary to confirm whether the product and its performance and qualities are suitable for the intended application. Final determination of fitness of the product for the intended application is the buyer's responsibility. Kent Elastomer Products, Inc. shall not be liable for any misuse or misapplication of its products.