

PROPERTY	ASTM	NickelCote™		
Trade Name		NC500	NC720	NC910
Chemical Name	-	ENC-HP	ENC-HP	ENC-HP
<b>TYPICAL THICKNESS &amp; PROFILE</b>				
Standard Thickness - <b>Mils</b> (Microns)	-	<b>1.2</b> (30)	<b>1.2</b> (30)	<b>1.2</b> (30)
Coating Profile	-	As Plated	Diffused	Heat Treated
<b>TEMPERATURE</b>				
Max Working Duty Temp °F (°C)	-	<b>500</b> (260)	<b>1382</b> (750)	<b>932</b> (500)
Melting Point Temp °F (°C)	-	<b>1652</b> (900)	<b>1652</b> (900)	<b>1652</b> (900)
<b>PHYSICAL PROPERTIES</b>				
Non-Stick		<b>Very Good</b>	<b>Very Good</b>	<b>Very Good</b>
Abrasion Resistance		<b>Good</b>	<b>Good</b>	<b>Very Good</b>
Erosion Resistance		<b>Good</b>	<b>Good</b>	<b>Very Good</b>
Corrosion Resistance		<b>Very Good</b>	<b>Excellent</b>	<b>Fair</b>
<b>MECHANICAL PROPERTIES</b>				
Rockwell C Hardness	<b>ASTM E18</b>	<b>48 - 50</b>	<b>58 - 62</b>	<b>64 - 67</b>
Phosphorous Content		<b>10.5 - 11.5</b>	<b>10.5 - 11.5</b>	<b>10.5 - 11.5</b>
Physical Appearance		<b>Semi-Bright</b>	<b>Semi-Bright</b>	<b>Semi-Bright</b>
Taber Wear Resistance		<b>22 - 24 mg/1000cycles</b>		<b>9 - 12 mg/1000cycles</b>
Intrinsic Stress		<b>Compressive</b>	<b>Compressive</b>	<b>Compressive</b>
Magnetic Properties		<b>Non-Magnetic</b>	<b>Non-Magnetic</b>	<b>Non-Magnetic</b>
Porosity		<b>Low - Very good salt spray performance</b>		