



## Chemical Properties Comparison Chart

		<b>Rhino Hardline</b>	<b>Rhino Tuffgrip</b>	<b>Rhino Solarmax</b>	<b>Rhino Hi-Chem</b>	<b>Rhino Hi-Chem PW</b>	<b>Rhino Extreme</b>	<b>Rhino Hybrid</b>
Chemical Make-up		Elastomeric polyurethane (aromatic)	Elastomeric polyurethane (aromatic)	Elastomeric polyurethane (aliphatic)	Elastomeric polyurethane (aromatic)	Elastomeric polyurethane (aromatic)	Elastomeric pure polyurea	Elastomeric hybrid polyurea
Hardness (Shore A)	ASTM D-2240	55±5	88A±5	90A±5	70±3	65±5	90±5	55±5
Tensile Strength (psi)	ASTM D-412	2100 - 2200	1300 - 1500	2000 - 2200	3,500 - 3,700	2000 - 2200	2600 - 2800	2200 - 2400
Elongation (%)	ASTM D-412	50 - 80	250 - 300	100 - 150	25 - 30	60 - 80	400 - 450	90 - 100
Compressive Strength (psi)	ASTM D-695-96		800					
Flexural Modules (psi)	ASTM D-790	2400 - 2800						
Tear Resistance (pli) Die C	ASTM D-624	200 - 250		250 - 300	180 - 190	190 - 210	300 - 330	300 - 330
Taber Abrasion Resistance								
- (mg of loss/1000 cycles) CS17 Wheel; 1000 grams weight	ASTM D-4060	25 - 30	10 - 15		53	50 - 60	25 - 30	25 - 30
Coefficient of Friction on Steel								
Static	ASTM D-1894-95		0.85					
Kinetic	ASTM D-1894-95		0.78					
Temperature Stability		-40°F to 175°F (-40°C to 80°C)	-40°F to 175°F (-40°C to 80°C)	-40°F to 175°F (-40°C to 80°C)			-50°F to 200°F (-45°C to 93°C)	-40°F to 175°F (-40°C to 80°C)