



# FRICION BONDING PRODUCT SELECTION GUIDE

**THE RUSCOE COMPANY**  
Adhesives & Sealants

## Drum Brake Lining Adhesives

	Color	Form	Chemistry	Percent Solids	Viscosity (cps)	Description
Reliobond 1602	Black	Solvent	Nitrile Rubber/Phenolic Resin	28-32%	1600-2200	Low viscosity for roll, brush, or spray coating
Reliobond 1604	Black	Solvent	Nitrile Rubber/Phenolic Resin	32-38%	3800-6200	Medium-low viscosity for brush application
Reliobond 1615	Black	Solvent	Nitrile Rubber/Phenolic Resin	35-45%	15000-25000	Medium viscosity for roll coating or extrusion
Reliobond 1635	Black	Solvent	Nitrile Rubber/Phenolic Resin	38-45%	28000-40000	High viscosity for extrusion application
Reliobond 1651	Black	Solvent	Nitrile Rubber/Phenolic Resin	>45%	43000-60000	High viscosity for extrusion application
Reliobond 1670	Black	Solvent	Nitrile Rubber/Phenolic Resin	35-40%	3000-6000	Bonds linings containing high levels of cashew nut shell liquid
Reliobond 1671	Black	Solvent	Nitrile Rubber/Phenolic Resin	47-52%	40000-60000	Bonds linings containing high levels of cashew nut shell liquid

## Drum Brake Core Primers

	Color	Form	Chemistry	Percent Solids	Description
Reliobond 1800	Amber/Tan	Solvent	Phenolic Resin	24-27%	Ready-to-use amber color primer
Reliobond 1801	Amber/Tan	Solvent	Phenolic Resin	49-51%	Low VOC, high solids concentrate
Reliobond 1802	Amber/Tan	Solvent	Phenolic Resin	53-56%	High solids concentrate
Reliobond 1803	Black	Solvent	Phenolic Resin	12-24%	Ready-to-use black colored primer
Reliobond 1804	Black	Solvent	Nitrile Rubber/Phenolic Resin	18-20%	Ready-to-use black colored primer with special corrosion protection package
Reliobond 1805	Amber/Tan	Water	Phenolic Resin	15-20%	Water based version of Reliobond 1800
Reliobond 1806	Black	Water	Phenolic Resin	15-20%	Water based version of Reliobond 1803

## Friction Paper Adhesives (Clutch Rings, Transmission Bands, etc.)

	Color	Form	Chemistry	Percent Solids	Viscosity (cps)	Description
Reliobond 1501	Amber/Tan	Solvent	Phenolic & Vinyl Resin	30-34%	2200-2600	Economical vinyl/phenolic
Reliobond 1502	Amber/Tan	Solvent	Phenolic & Vinyl Resin	32-36%	2100-2700	Economical vinyl/phenolic
Reliobond 1503	Amber/Tan	Solvent	Phenolic & Vinyl Resin	37-41%	1700-2300	High bond strength (>6000 psi @ 75°F SAEJ840C shear strength)
Reliobond 1503NT	Amber/Tan	Solvent	Phenolic & Vinyl Resin	37-41%	1700-2300	Toluene free version of Reliobond 1503
Reliobond 1700	Black	Solvent	Nitrile Rubber/Phenolic Resin	28-32%	2000-2500	For low density friction paper. Low flow inhibits wicking into paper
Reliobond 1706	Black	Solvent	Nitrile Rubber/Phenolic Resin	28-32%	2500-3500	High flow for high density or rubbery friction material
Reliobond 1900	Black	Film	Nitrile Rubber/Phenolic Resin	100%	N/AP	Film version of Reliobond 1706
Reliobond 1901	Black	Film	Nitrile Rubber/Phenolic Resin	100%	N/AP	High strength film adhesive
Reliobond 1403	Amber/Tan	Water	Phenolic & Vinyl Resin	25-30%	9000-11000	Water based version of Reliobond 1501

## Disc Brake Adhesives

	Color	Form	Chemistry	Percent Solids	Viscosity (cps)	Description
Reliobond 1800	Amber/Tan	Solvent	Phenolic Resin	24-27%	2200-2600	Economical vinyl/phenolic
Reliobond 1801	Amber/Tan	Solvent	Phenolic Resin	49-51%	2100-2700	Economical vinyl/phenolic
Reliobond 1802	Amber/Tan	Solvent	Phenolic Resin	53-56%	1700-2300	High bond strength (>6000 psi @ 75°F SAEJ840C shear strength)
Reliobond 1803	Black	Solvent	Phenolic Resin	12-24%	1700-2300	Toluene free version of Reliobond 1503
Reliobond 1804	Black	Solvent	Nitrile Rubber/Phenolic Resin	18-20%	2000-2500	Dip applied to backing plate. Special corrosion protection additives
Reliobond 1805	Red	Solvent	Phenolic Resin	64-66%	2000-2500	Highest temperature resistance for medium or heavy duty disc pads
Reliobond 1401	Black	Water	Nitrile Rubber/Phenolic Resin	28-32%	4000-6000	Low flow during cure. Roll coat or spray application
Reliobond 1402	Black	Water	Nitrile Rubber/Phenolic Resin	28-32%	18000-22000	Low flow during cure. Roll coat application