

## Comparison Chart- Water-Based Lubricants

Product #:	Q-0020*	Q-0080	Q-0960*	Q-0410	Q-8580	Q-0035	Q-0133	Q-0658
Description	Whitslik 4 Mold Release	Water Based Mold Release	Whitslik 15 Inside Tire Lubricant	Inside Tire Lubricant	Inside Tire Lubricant with Gray Tint	Whitslik 20NH Bladder Lube & Release Coating	Tire Mounting Lube For uniformity machines	Tire Mounting Lube Concentrate
Product Type	Reactive Curable Silicone	Non-Curable Silicone	Reactive Curable Silicone No-Mica	Non-Curable Silicone with 10% Mica	Non-Curable Silicone with 10% Mica	Silicone Based Lube, Air dries to form coating	Non-Silicone	Non-Silicone
Color	White Emulsion	White Emulsion	White Emulsion	Tan Emulsion	Gray Emulsion	White Emulsion	Neutral Solution	Neutral Solution
Features/Comments	Semi-permanent. Does not transfer onto molded part.	Multi-release mold lubricant	Excellent slip and release. Transfers onto bladders to maintain release	Excellent slip and release. 10% Mica promotes Air bleed	Excellent slip and release Gray Tint aids holographic Inspection	Used on new bladders, or on old bladders as a refresher	Eliminates rim-slip Contains rust inhibitor.	Concentrated version of Q-0133. Dilute 4:1 with de-ionized water
Substrate	Aluminum or steel molds	Aluminum or steel molds	Tire Innerliners	Tire Innerliners	Tire Innerliners	New Or Old bladders	Tire beads and Metal Tire Rims	Tire beads and Metal Tire Rims
Application Method	Spray	Spray	Spray	Spray	Spray	Spray, swab, brush	Spray, swab, brush	Spray, swab, brush
Film Thickness	< 1 mil	< 1 mil	< 1 mil	1.0 mil wet / 0.2 mil dry	1.0 mil wet / 0.2 mil dry	1.0 mil wet / 0.2 mil dry	< 1 mil	< 1 mil
Viscosity, cps	7	7	300-500	2000 -3000	2000 -3000	800-1200	Water thin	Water thin
Percent Solids	4.0 ± 0.3%	4.0 ± 0.3%	15.9 ± 1.0%	24.5 ± 2.0 %	24.8 ± 2.0 %	20.00%	1.0 ± 0.5%	5.0 ± 0.5%
pH	5.0 - 7.0	7.0 ± 1.0	6.0 - 8.0	Measure only	6.8 ± 0.5		8.0 - 9.0	8.0 - 9.0
Density, lb/gal	8.34 ± 0.3	8.3 ± 0.3	8.25 ± 0.30	8.90 ± 0.30	8.93 ± 0.30	8.37 ± 0.30	8.36 ± 0.30	8.45 ± 0.30
Specific gravity	1.00	1.00	0.99	1.07	1.07	1.00	1.00	1.01
VOC	0	0	0.03 wet/ 0.15 dry	0.03 wet				
Clean solvent	Water	Water	Water	Water	Water	Water	Warm water	Warm water
Shelf life	6 months	1 year	6 months	1 year	1 year	1 year	1 year	1 year