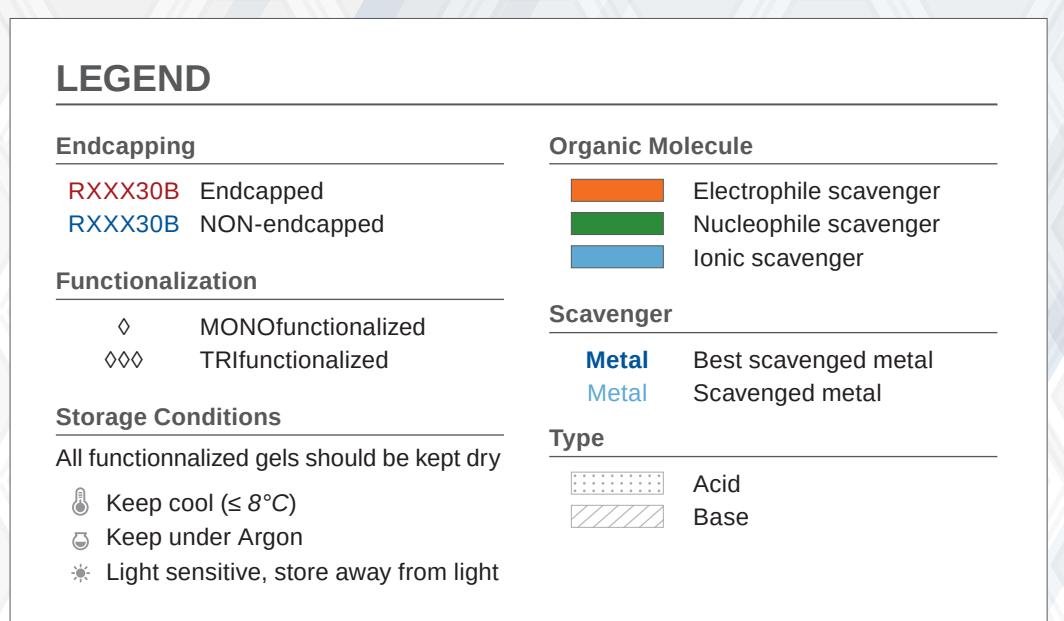


# SiliCycle's Most Popular Functionalized Silicas

## METAL & ORGANIC SCAVENGERS

	ORGANIC SCAVENGERS															METAL SCAVENGERS										
Functional Group	Maleimide (Si-MAL)	Propylsulfonic Acid (Si-SCX-2)	Carbamate (Si-CAR)	Tosyl Chloride (Si-TsCl)	Carboxylic Acid (Si-WCX)	TMA Acetate (Si-SAX-2)	DMAP (Si-DMAP)	Piperazine (Si-PPZ)	Guanidine (Si-GUA)	Carbonate (Si-CO3)	Diol (Si-Diol)	Amine (Si-WAX)	Diamine (Si-DIA)	Triamine (Si-TRI)	Toxic Acid (Si-SCX)	DEAM (Si-DEAM)	AMPA (Si-AMPA)	Cysteine (Si-CYS)	DMT (Si-DMT)	DOTA (Si-DOTA)	Imidazole (Si-JMI)	TAACOH (Si-TAACOH)	TAACONa (Si-TAACONa)	Thiol (Si-SH)	Thiourea (Si-TUH)	
Structure																										
Product Number	R71030B 000	R51230B 000	R50130B 000	R44030B 000	R70030B 000	R66430B 000	R75630B 000	R60030B 000	R68230B 000	R66030B 000	R35030B 000	R52030B 000	R49030B 000	R48030B 000	R60530B 000	R54430B 000	R85130B 000	R80530B 000	R79030B 000	R91030B 000	R79230B 000	R69030B 000	R69230B 000	R51030B 000	R69530B 000	
Loading	≥ 0.64 mmol/g	≥ 0.63 meq/g	≥ 1.16 mmol/g	≥ 0.63 mmol/g	≥ 0.92 mmol/g	≥ 0.71 mmol/g	≥ 0.53 mmol/g	≥ 0.83 mmol/g	≥ 0.80 mmol/g	≥ 0.46 mmol/g	≥ 0.97 mmol/g	≥ 1.20 mmol/g	≥ 1.28 mmol/g	≥ 1.11 mmol/g	≥ 0.54 meq/g	≥ 0.85 mmol/g	≥ 0.80 mmol/g	≥ 0.30 mmol/g	≥ 0.50 mmol/g	≥ 0.38 mmol/g	≥ 0.96 mmol/g	≥ 0.41 mmol/g	≥ 0.41 mmol/g	≥ 1.20 mmol/g	≥ 1.07 mmol/g	
Typical Density	0.644 g/mL	0.728 g/mL	0.741 g/mL	0.761 g/mL	0.687 g/mL	0.665 g/mL	0.674 g/mL	0.671 g/mL	0.687 g/mL	0.700 g/mL	0.728 g/mL	0.698 g/mL	0.691 g/mL	0.707 g/mL	0.665 g/mL	0.732 g/mL	0.681 g/mL	0.665 g/mL	0.732 g/mL	0.681 g/mL	0.635 g/mL	0.712 g/mL	0.682 g/mL	0.767 g/mL		
Solvent Compatibility	Polar solvents (DMF; MeOH, H <sub>2</sub> O)	All aqueous & organic solvents	Anhydrous aprotic solvents	Anhydrous aprotic solvents, unstable in DMF	All aqueous & organic solvents	All organic solvents	All aqueous & organic solvents																			
Metals																										
Acids & Acidic Phenols																										
Acyl Chlorides & Sulfonyl Chlorides																										
Alcohols & Alkoxides																										
Aldehydes, Anhydrides, Chlorofromates, Isocyanates & Ketones																										
Amines & Anilines																										
Boronic Acids																										
Hydrazines																										
Organometallics, Thiols & Thiolates																										



## CHROMATOGRAPHIC PHASES

	REVERSED-PHASES															NORMAL PHASES										ION EXCHANGE PHASES																					
Functional Group	Octadecyl (Si-C18)					Octyl (Si-C8)					Cyclohexyl (Si-C6)			Penta-fluorophenyl (Si-PFP)		Phenyl (Si-PHE)		Butyl (Si-C4)		Tridecafluoro (Si-TDF)		Fluorochrom (Si-FCM)		Si-C1		Bare Silica (Si-O <sub>2</sub> )		Cyano (Si-Cyano)		Diol (Si-Diol)		Silver Nitrate (Si-AgNO <sub>3</sub> ) *		Amine (Si-WAX)		Triethylamine (Si-WAX-2)		TMA Chloride (Si-TAC)		TMA Acetate (Si-SAX-2)		Toxic Acid (Si-SCX)		Propylsulfonic Acid (Si-SCX-2)		Carboxylic Acid (Si-WCX)	
Structure																																															
Product Number	R30030B 000	R30130B 000	R00230B 000	R33230B ◊	R33330B ◊	R33530B ◊	R31130B 000	R31030B 000	R30830B ◊	R61530B 000	R67530B ◊	R34030B 000	R34130B 000	R32030B 000	R32130B 000	R63530B ◊	R63730B ◊	R33030B 000	R10030B	R38030B 000	R38130B 000	R35030B 000	R23530B	R52030B 000	R52130B 000	R76530																					