

Organic Functional Groups and Compatible Resins Guide

Resin / Functional groups		Thermoplastic Resins									Thermosetting Resins							Elastomer-Rubber												
		Polyethylene	Polypropylene	Polystyrene	Acrylic	PVC	Polycarbonate	Nylon	Urethane	PBT / PET	ABS	Melamine	Phenolic	Epoxy	Urethane	Polyimide	Diallyl phthalate	Unsaturated polyester	Furan	Polybutadiene Rubber	Polyisoprene	Sulfur-crosslinked EPDM	Peroxide crosslinked EPDM	SBR	Nitrile Rubber	Epichlorohydrin Rubber	Neoprene Rubber	Butyl Rubber	Polysulfide	Urethane Rubber
Epoxy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+		+	+	+	+
Methacryloxy		++	++	++	+			+		++						+	++					+	++							
Vinyl		++	++													+	+						+	+						
Amino		+	+	++	++	++	+	++	+	+	+	++	++	+	+				++				+	+		+	+	+	+	+
Isocyanate							+	+	++	+	+	+	+	++	+			+												+
Mercapto		+	+	+		+				+		+	+	+							+	+	++	+	+	+	+		++	++

++: Very Effective

+: Effective

*Not all fiteBac® functional groups are capable of coupling with the resins in question