

XYSIL Fumed Silica Application and Selection Guide

Application		Primary Performance Criteria	Suggest Grade	Suggest Addition (M/M%)
HTV Silicone Rubber		Reinforcement; Elongation Resistance; Ease of Compounding	XYSIL150 XYLSIL200	15~50
RTV Silicone Rubber	RTV-silicone sealant (1 component)	Reinforcement; Thixotropy, Rheology control, dispersability	XYSIL150 XYLSIL200	3.0~30
	RTV-molding compound			3.0~30
	Liquid Silicone Rubber			15~35
Adhesive	Polychloroprene	Thickening; Thixotropy; Anti-settling; Sag Resistance; Extrusion Rate; Rheology Control	XYSIL200 XYSIL300 XYSIL380	1.0~2.0
	Epoxide Resin			
	Latex			
PVC	Plastisol	Thickening; Thixotropy; Anti-settling; Free-flow; Insulation	XYSIL200 XYSIL300	0.3~2.5
	Organosol			0.1~1
	Plastisol PVC Mixture			1.0~2.0
	Cable Compound			0.1~1
	Membrane			
Paints & Coating	Zinc Rich Paints	Thickening; Thixotropy;	XYSIL200	0.5~2
	Alkyd Paints	Anti-settling Thickening; Thixotropy; Free-flow	XYSIL200	0.5~5
	Acrylics Paints		XYSIL200	0.3~2.5
	Polyester Paints		XYSIL300	0.5~2.5
	Powder Coating		XYSIL380	0.5~5
	Gel Coating (Polyester)			2.0~3.0
Unsaturated Polyester Resin	Laminating Resin		Thickening; Thixotropy;	XYSIL 200 / 200LS
	Gel coating	Anti-settling;	XYSIL300	2.0~3.0
	Grouting mixture		XYSIL380	0.5~2.0
Print Ink	Relief Printing	Thickening; Thixotropy; Anti-settling; Sag Resistance; Rheology Control	XYSIL200	0.5~2.0
	Intaglio Printing		XYSIL380	
	Hectograph		XYSIL150 XYLSIL200	0.5~2.5
Insulating Glue		Thickening; Thixotropy;	XYSIL200	5.0~10
Thermal Insulation Material	Vacuum Insulation Panel	Heat and sound insulation	XYSIL150	70-95
	Ceramic Cooktop		XYSIL200 XYSIL380	60-80
Pharmaceuticals	Tablets	Free-flow, processing adi, disintegrant, reduced compacting forcs, Thickening, Heat stability	XYSIL200P; XYSIL300P; XYSIL380P	1.5-10
	Dragees			3.0-12
Batteries	Battery Gels, Lithium Ion Batteries	Thickening, Thixotropy, Gel Foramation, Thermal Stability, Electrolyte wettability	XYSIL200 XYSIL380	2.0-6.0
Cosmetics, Personal care	Color Make-up; Nail polish, Hair and body care	Thickening, Thixotropy, Antisedimentation, Free-flow	XYSIL200; XYSIL200P	0.2-10
Food	Powders food; carbohydrates	Flavors, Dry Soup, Spice, Flavors	XYSIL200F	0.5-3.0