

Firestone
PLASTICS COMPANY



FPC VINYL SOLUTION RESINS

Chemicals Division, FIRESTONE PLASTICS COMPANY, Pottstown, Pa. 19464
DIVISION OF THE FIRESTONE TIRE & RUBBER COMPANY

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040145

FPC VINYL SOLUTION RESINS

Product	Approximate Chemical Composition (% by weight)			Relative Viscosity	Specific Gravity	Solvents Commonly Used	Solubility Characteristics Maximum Recommended Concentrations		Description
	VCl	VlAc	Other				% By Weight	Solvent Ratio	
FPC 470	70	—	30	1.35	1.31	Ketones	45	7/3 Ketone/Alcohol 1/9 Ketone/Toluene 7/3 Ketone/Aliphatic	Use alone or blend with other vinyl chloride copolymer resins for air dry and low bake adhesion. Wide compatibility with other coating resins. Reacts with basic materials.
						Esters	30		
						Chlorinated Hydrocarbons	25		
						Ketone-Alcohol	30		
						Ketone-Aromatic	30		
						Ketone-Aliphatic	30		
FPC 471	75	—	25	1.45	1.31	Ketones	40	3/7 Ketone/Toluene 7/3 Ketone/Alcohol 8/2 Ketone/Aliphatic	Use for coating applications which require high vinyl resin solids. Porous surfaces can be coated with excellent results. Blend with FPC 470 for adhesion to metal surfaces. Excellent light stability.
						Esters	25		
						Chlorinated Hydrocarbons	20		
						Ketone-Aromatic	25		
						Ketone-Alcohol	25		
						Ketone-Aliphatic	25		
FPC 454	84	18	—	1.45	1.38	Ketones	27	1/1 Ketone/Toluene	Low molecular weight. Adheres to FPC 470 primed surfaces and to porous substrates such as paper and cloth. For chemical resistant, flexible coatings, inks, etc.
						Ketone-Aromatic	25		
						Esters	20		
						Chlorinated Hydrocarbons	15		
FPC 497	84	18	—	1.55	1.38	Ketones	25	1/1 Ketone/Toluene	Similar to FPC 454 but higher in molecular weight. Improved chemical resistance, flexibility and tensile properties. Used in vinyl paints.
						Ketone-Aromatic	20		
FPC 450	85	15	—	1.85	1.38	Ketones	18	7/3 Ketone/Toluene	Intermediate molecular weight. Improved physical properties. Can be tailored for use in strippable coatings, printing inks and protective coatings.
						Ketone-Aromatic	15		
FPC 481	85	15	—	1.92	1.38	Ketones	18	7/3 Ketone/Toluene	High molecular weight. Films are tough and elastic. FPC 481 can be formulated as top-coatings for vinyl products and urethane foams.
						Ketone-Aromatic	15		
FPC 4298	90	10	—	1.89	1.37	Ketones	18	7/3 Ketone/Toluene	High molecular weight copolymer resin. Provides excellent properties in permanent and strippable coatings and in free films.
						Ketone-Aromatic	15		
FPC 461	85	—	35	1.50	1.70	Toluene	25		A fluorine containing copolymer with excellent heat and light stability. In addition to being cast from solvent, it can also be used as a dry processing material such as molding, extrusion and calendaring. It is not compatible with other solution vinyl copolymer resins.
						Xylene	25		
						Chlorinated Hydrocarbons	25		
						Ketones	30		
						Esters	30		

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