



Formosa Plastics®

**Formolon® Polyvinyl Chloride
Suspension PVC Products**

Quality, Value and Performance

Discover Formolon® Suspension Polyvinyl Chloride (PVC) Compounds and Resins

Formosa Plastics Formolon® Suspension PVC resins and compounds are among the most versatile products in the market. They support a wide range of applications, from rigid pipe systems to flexible films. Formolon® PVC can also deliver smooth surface finishes for windows and fencing, as well as grain-like textures for decking and luxury vinyl tile applications.

As a leading global resin manufacturer, Formosa Plastics is committed to continuous innovation and product development. Our technical teams actively work to develop PVC solutions that meet evolving application requirements, regulatory standards, and performance expectations.

With manufacturing operations in Point Comfort, Texas, and Baton Rouge, Louisiana, Formosa Plastics is positioned to reliably serve customers worldwide with consistent quality and dependable supply.

[Click here for contact information and to learn more about our Formolon® PVC Suspension resins and Dry Blend compounds.](#)

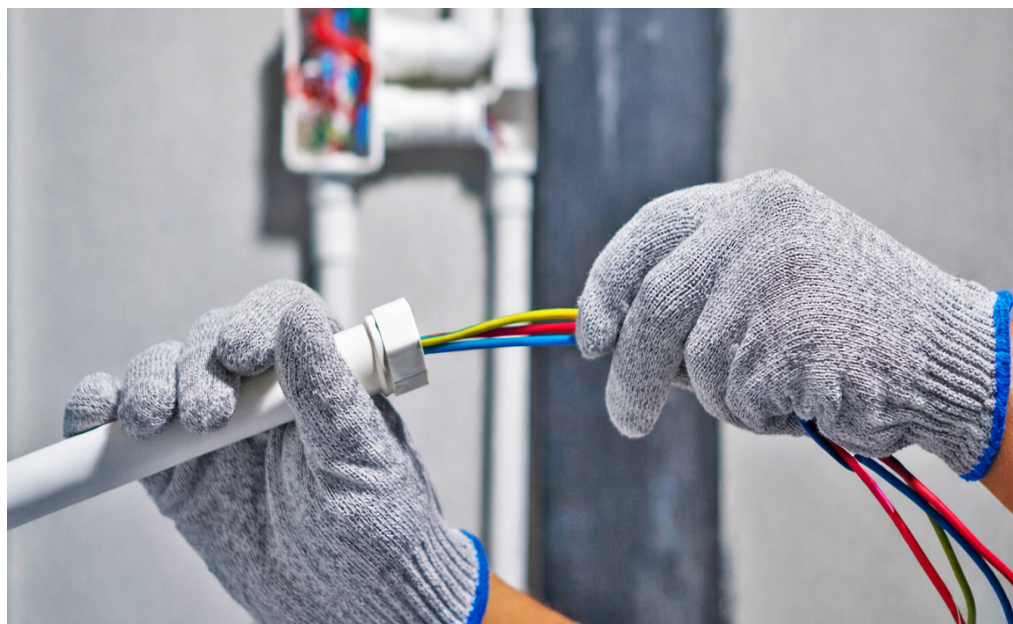


Suspension Resin Properties and Attributes

- Low to high molecular weight resins
- Low gels
- Exceptional early color heat stability
- Low fines level suitable for rigid dry blends
- Outstanding lot-to-lot consistency
- A wide range of inherent viscosities (Cl.V.), ranging from 0.68 to 1.1
- K-values ranging from 56 – 73
- ISO 9001 and ISO 14001 certified manufacturing

Major End-Use Applications

- Pipe
- Siding
- Fencing
- Decking
- Luxury Vinyl Tile
- Windows
- Flexible and Rigid Films
- Wire and Cable
- Profiles
- Medical Films
- Meat Overwrap
- Foamed Sheet



Suspension Polyvinyl Chloride (PVC)

Compounds and Resins



Packaging



Flooring

Products & Technical Specifications (Selected Materials)

Formolon® Suspension Resins

Properties	Units	Test Method	General Purpose	General Purpose	General Purpose	General Purpose	Pipe Grade	Rigid Extrusion
			608	614	616K	622R	622	622E
Relative Viscosity			1.81	1.88	1.96	2.01	2.15	2.15
Inherent Viscosity		ASTM D5225	0.68	0.73	0.79	0.81	0.91	0.90
K-value			56	58	61	62	65	65
Volatiles	%	ASTM D6980	0.20	0.20	0.20	0.20	0.30	0.30
Bulk Density	lbs/ft3	ASTM D1895	36	35	34	34	36	35
	g/cc	ASTM D1895	0.57	0.57	0.55	0.56	0.58	0.56
Particle Size		Laser Diffraction						
% thru 40 Mesh			99.9	99.9	99.9	99.9	99.9	99.9
% thru 200 Mesh			1.0	2.0	2.0	2.0	1.0	1.0
Residual VCM (ppm)		GC Head Space Method	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Contamination Count	Count per 100g	OCS	20	20	20	20	40	30
Gel Count		GP Gel Method	-	-	-	-	-	-
Description			Low Molecular Weight (LMW) Homopolymer with Low Gels and Excellent Early Color Stability	Medium-low Molecular Weight Homopolymer with Low Gels and Excellent Early Color Stability	Medium-low Molecular Weight Homopolymer with Low Gels and Excellent Early Color Stability	Medium-low Molecular Weight Low Gels and Early Color Heat Stability	Medium Molecular Weight Homopolymer with Good Dry Flow Characteristics	Medium Molecular Weight Homopolymer with Good Dry Flow Characteristics
Applications			Injection Molding, Rigid Calendering, Bottles and Flooring	Injection Molding, Rigid Calendering, Bottles, Rigid Foam Profile and Rigid Sheet	Rigid Calendering, Rigid Foam Profiles and Bottles	Rigid and Flexible Calendering, Rigid Foam Profile and Bottle	Pipe and Conduit	Siding, Pipe and Conduit



Meat Wraps



Vinyl Siding



Medical



Pipes

Siding Grade	Film Extrusion	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose
622S	622F	676/676H	680	685	685A	690F	690
2.15	2.20	2.27	2.37	2.37	2.37	2.42	2.51
0.90	0.93	0.95	1.01	1.01	1.02	1.05	1.09
65	67	68	70	70	70	71	73
0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
36	32	32	32	32	32	32	31
0.58	0.52	0.51	0.50	0.51	0.51	0.51	0.50
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
20	20	20	20	20	20	20	20
-	20	10	10	16	16	10	10
Medium Molecular Weight Homopolymer with flow modifier for Excellent Dry Flow Characteristics	Medium Molecular Weight (MMW) Homopolymer with Good Dry Flow Characteristics	Medium Molecular Weight, Weight Low in Gels	High Molecular Weight Homopolymer Suited for Processing Powder Blends Due to its Ability to Rapidly Absorb Plasticizers Regardless of MW	High Molecular Weight Homopolymer Suited for Processing Powder Blends Due to its Ability to Rapidly Absorb Plasticizers Regardless of MW	High Molecular Weight Homopolymer Suited for Processing Powder Blends Due to its Ability to Rapidly Absorb Plasticizers Regardless of MW	High Molecular Weight Homopolymer Suited for Processing Powder Blends Due to its Ability to Rapidly Absorb Plasticizers Regardless of MW	High Molecular Weight Homopolymer Suited for Processing Powder Blends Due to its Ability to Rapidly Absorb Plasticizers Regardless of MW
Siding, Calendering, Film, Rigid Profile, Pipe and Rigid Expanded Profiles	Flexible and Rigid Film, Wire and Cable	Calendering, Blown Flexible Films, Medical, Wire and Cable, and Meat Wraps* (*676H only)	Calendering, Flexible Films, Medical and Wire & Cable	Flexible Extrusion, Wire and Cable, Meat Wrap and Blown Film	Flexible Extrusion, Wire and Cable, Meat Wrap and Blown Film	Calendering, Flexible Films, Wire and Cable and Medical	Flexible Calendering, Extrusion and Wire and Cable

Suspension Polyvinyl Chloride (PVC)

Compounds and Resins



Fencing



Windows



Pipes

Products & Technical Specifications (Selected Materials)

Formolon® Suspension Compounds

Properties	Units	Test Method	Window Profile Series APW	GP Compound Series AWS	Homopolymer / Compounds AW02	Homopolymer / Compounds AW04	Homopolymer / Compounds AW05 (without foaming)
Izod Impact, 1/8" Specimen, @23°C,	ft.-lbf/in. of notch	ASTM D256	20	3			
Impact Strength	ft.-lbf/in.	ASTM D256			1.09	1.10	1.10
Tensile Yield Strength, (PSI)	psi	ASTM D638	6,150	6,000	7,200	7,200	7,200
Tensile Modulus, (PSI)	psi	ASTM D638	400,000	350,000	426,000	410,000	410,000
Flexural Yield Strength, (PSI)	psi	ASTM D790	10,000	10,000			
Flexural Modulus, (PSI)	psi	ASTM D790	350,000	350,000			
Heat Deflection Temperature Under Load	°F	ASTM D648	163.4	159.8	165.0	169.0	169.0
Drop Dart Impact, C-125 impactor							
@23°C	in-lb/mil	ASTM D4226	2.2				
@0°C	in-lb/mil		2.0				
Description			MMW Dry Blend Compound with Excellent Stability for Consistent Whiteness	Powdered Compound for Profiles	NSF/ANSI 14 Certified, MMW Dry Blend Compound with Excellent Stability for Consistent Whiteness	NSF/ANSI 14 Certified, MMW Dry Blend Compound with Excellent Stability for Consistent Whiteness	NSF/ANSI 14 Certified, MMW Dry Blend Compound with Excellent Stability for Consistent Whiteness
Applications			Profile Extrusion of Window Lineals, Fencing & other Outdoor Weatherable Applications	Profile Extrusion of Indoor and Non-weatherable Applications	Rigid Extrusion	Rigid Extrusion	Intended for Foam-Core Pipe Applications, Rigid Extrusion

Our Commitment to Our Customers

At Formosa, we're dedicated to providing innovative products, consistent quality, unsurpassed service, and reliable on-time delivery. Our technical teams ensure you receive products that perform consistently, while our service teams help you optimize performance and maximize the value of our products.

With the largest private rail fleet in the industry, you can track your orders and railcar deliveries online — 24/7/365.



Sedex is a world leader in responsible sourcing. They empower companies with technology and insights to implement practices and policies to build a responsible business supply chain.



Ecovadis's purpose is to guide all companies toward a sustainable world and act as a North Star to ensure their growth is providing positive impact for our planet and society

If you need more, just ask. After all, we're your partner.

Our Commitment to Sustainability

Formosa Plastics Corporation, U.S.A. is dedicated to advancing the United Nations' 17 Sustainable Development Goals. Our sustainability information reflects our responsibility as a global company and local corporate citizen.

Every action, big or small, contributes to a better world today and for future generations.

To learn more about our sustainability initiatives, please visit www.fpcusa.com/sustainability





Formosa Plastics®

The information and recommendations in this publication are, to the best of our knowledge, reliable. Determination of the suitability of the products for any particular purpose shall be the responsibility of the buyer or user. Formosa Plastics Corporation, U.S.A. only warrants that the products shall conform with the applicable Standard Specifications Statement herein. All other warranties, express, or implied, are expressly disclaimed.