



Vinyl Ester Resin Blends

Polynt Composites' Vinyl Ester Resin Blends are premium grade resins designed for a wide variety of processes and applications. The outstanding properties of these resins allow them to deliver superior performance in corrosion and blister resistance.

Polynt's Vinyl Ester Resin Blends:

- Offer good corrosion and blister resistance
- Can be modified to customer requirements when shipped in bulk
- Can be used in molding and laminating
- Offer exceptional cosmetics (low fiber print)



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Product Code	Viscosity (cP)	Thix Index	% Styrene	Gel Time (minutes)	Gel to Peak (minutes)	Peak (°F)	Product Description	Recommended Application
150-0616	450	2.8	45	25	19	380	Vinyl ester resin pre-promoted and thixotropic for room temperature gel and cure with MEKP or CHP; has a high HDT and corrosion-resistant properties	<ul style="list-style-type: none"> ▪ Tooling, marine, acrylic adhesion, high strength laminating, corrosion-resistant ▪ Spray-up and hand lay-up
784-6641	650	2.0	35	18	10	335	Low HAPs vinyl ester resin that is pre-promoted and thixotropic for room temperature gel and cure with MEKP or CHP; has a high HDT and corrosion-resistant properties; excellent adhesion to acrylic shells	<ul style="list-style-type: none"> ▪ Marine, acrylic adhesion, high strength laminating, corrosion-resistant ▪ Spray-up and hand lay-up
784-7975	480	2.6	44	18	12	350	Vinyl ester resin pre-promoted and thixotropic for room temperature gel and cure with MEKP or CHP; has a high HDT and corrosion-resistant properties; excellent adhesion to acrylic shells	<ul style="list-style-type: none"> ▪ Marine, acrylic adhesion, high strength laminating, corrosion-resistant, pools, tanks, pipes ▪ Spray-up, hand lay-up
789-7775	530	3.0	37	21	10	350	Low HAPs, vinyl ester resin pre-promoted and thixotropic for room temperature gel and cure with MEKP or CHP; has a high HDT and corrosion-resistant properties; excellent adhesion to acrylic shells	<ul style="list-style-type: none"> ▪ Marine barrier laminate, high strength laminates, pool, mild corrosion ▪ Spray-up, hand lay-up
Armorstar® IVEXC210	100	-	32	20	18	280	Low viscosity, DCPD/VE blend, pre-promoted for smaller, fast fill parts	<ul style="list-style-type: none"> ▪ Marine, transportation components where resistance to fiber print-through is needed for improved surface cosmetics ▪ Infusion and RTM
Armorstar IVEXC410	100	-	31	43	21	275	Low Viscosity, DCPD/VE blend, pre-promoted for larger, slower to fill parts	<ul style="list-style-type: none"> ▪ Larger marine, transportation components where resistance to fiber print-through is needed for improved surface cosmetics ▪ Infusion and RTM
Armorstar IVSXH210	100	-	36	20	-	-	Low Viscosity, higher DCPD/VE blend, pre-promoted for improved toughness	<ul style="list-style-type: none"> ▪ Marine, transportation components where higher resistance to cracking is needed ▪ Infusion and RTM
Armorstar VSXH2210	550	3.0	35	22	9	350	VE/DCPD pre-promoted laminating resin for either skin coat or bulking in open molding	<ul style="list-style-type: none"> ▪ Multiple market, workhorse skin resin with rapid cure and hardness development ▪ Spray-up, hand lay-up
Armorstar VSXH3210	550	3.0	35	32	10	350	VE/DCPD pre-promoted laminating resin for bulking in open molding when longer gel times are needed	<ul style="list-style-type: none"> ▪ Multiple market, workhorse skin resin with rapid cure and hardness development ▪ Spray-up, hand lay-up
Armorstar VBXC2200	525	3.2	31	22	-	345	DCPD/VE pre-promoted laminating resin for bulking in open molding	<ul style="list-style-type: none"> ▪ Rapid cure and hardness development with DCPD, but where VE performance is needed ▪ Spray-up, hand lay-up
Armorstar VBXC3200	525	3.2	31	32	-	345	DCPD/VE pre-promoted laminating resin for bulking in open molding	<ul style="list-style-type: none"> ▪ Rapid cure and hardness development with DCPD, but where VE performance is needed ▪ Spray-up, hand lay-up



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