



Product Selector Guide

Pultrusion

REICHHOLD



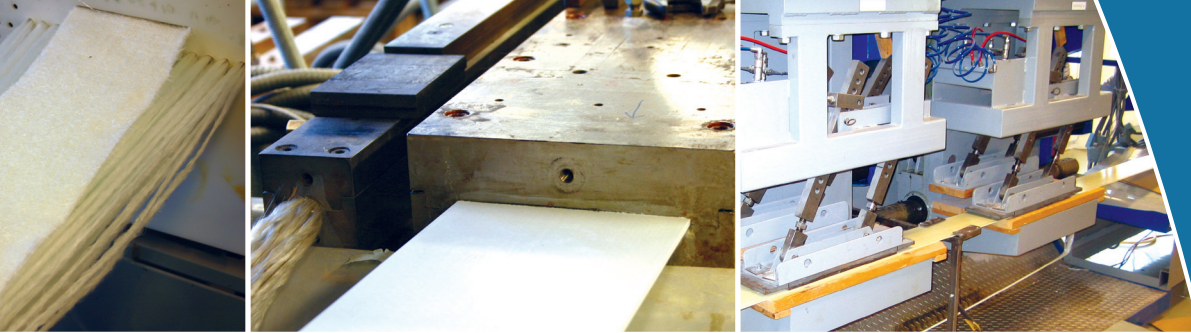
Pultrusion Resins and Additives

Selecting the right resin system is a critical element of your new product development process. Based on customers' end-use performance requirements and your specific process characteristics and set up, you want to make sure you can choose the best product at the lowest system cost.

Reichhold has an extended range of resin systems available and can support you with a broad expertise in conversion and application processes. This Product Selector Guide will provide you with an updated overview of the key resins offered by Reichhold for the most important conversion processes and end-use applications.

Please do not hesitate to contact your dedicated local Reichhold Technical Service or Sales Representative for additional support.

Application	Product Name	Chemistry	Viscos. (mPas)	Acid Value	Percent Solids (%)	Application & Features
General Purpose	Polylite 31660-30	Ortho	1500	23	65	General-purpose ortho-resin used as standard or together with LPA to control shrinkage <ul style="list-style-type: none"> • High mechanical properties, excellent pigmentability • High gloss • Good surface smoothness • Fast line-speed possible
General Purpose	Polylite 670-000	Ortho	1200	17	60	General-purpose ortho-resin used as standard or together with LPA to control shrinkage <ul style="list-style-type: none"> • High mechanical properties • Excellent pigmentability • High gloss, good surface smoothness with LPA
General Purpose	Polylite 415-000	Ortho	700	17,5	65	Ortho-resin with higher toughness <ul style="list-style-type: none"> • High tensile elongation • High to medium reactive
General Purpose	Polylite 510-010	DCPD	270	—	65	Tough standard-resin, medium to high reactive, very low viscous with low styrene content <ul style="list-style-type: none"> • High filler loads possible • Good mechanical properties • High tensile elongation • Fast line speed possible
General Purpose	Polylite 661-000	MSA	600	20	62	High reactive rigid MSA-resin for very fast line speed with excellent surface quality and high gloss, for standard and together with Norpol LPA's for low shirk and low profile application <ul style="list-style-type: none"> • High reactivity • High HDT
Corrosion and chemical resist.	Dion Impact 9100	VE – resin BisA based	600	9	55	<ul style="list-style-type: none"> • Medium to high reactive for conventional line speed • Excellent chemical resistance to a wide variety of corrosive environments • Good mechanical properties • High toughness and good crack resistance • Improved shelf-life
Corrosion and chemical resist.	Dion Impact 9160	VE-resin BisA based	600	9	66	<ul style="list-style-type: none"> • Improved crosslink density • Improved heat distortion temperature
Corrosion and chemical resist.	Dion Impact 9400	Novolac epoxy based	450	13	65	<ul style="list-style-type: none"> • Premium epoxy VE-resin • High reactive for fast line speed • Excellent chemical resistance to a wide variety of corrosive environments • Good mechanical properties • Excellent high temperature stability • Improved shelf-life



Application	Product Name	Chemistry	Viscos. (mPas)	Acid Value	Percent Solids (%)	Application & Features
Improved hydrolytic stability	Polylite PO-4702	Otho/NPG	500-600	—	56	<ul style="list-style-type: none"> Improved water absorption Good surface aspects Medium – high reactive for fast line speed
Corrosion Resist.	Polylite 630-000	ISO	600	16	65	<ul style="list-style-type: none"> Iso resin with high tensile elongation and impact strength Improved fibre wetting Good weathering properties
Corrosion Resist.	Polylite 680-000	ISO	1200	20	65	<ul style="list-style-type: none"> Good mechanical properties Good electrical properties Good heat resistance
Corrosion Resist.	Polylite 31031-00	ISO	1100	—	65	<ul style="list-style-type: none"> Flexible ISO resin Excellent resistance to impact cracking High strength and toughness
Corrosion Resist.	Polylite 31045-10	ISO with UV stabilizer	—	—	—	<ul style="list-style-type: none"> Tough ISO resin Improved fibre wetting High strength and toughness
Corrosion Resist.	Polylite 31516-00	Tere	700	—	70	<ul style="list-style-type: none"> High reactive for fast line speed, high glossy surface High strength and toughness High mechanical properties Good chemical resistance
Multi Purpose	Dion 600-040	1-pack-LP-System	1000	17	50	<ul style="list-style-type: none"> Optimized shrinkage Excellent surface smoothness and dimension stability Reduced internal stress cracks High reactivity Good heat resistance
Multi Purpose	Dion 600-060	1-pack-LP-System	750	23	58	<ul style="list-style-type: none"> Good shrinkage control Excellent surface smoothness and dimension stability Low viscosity High reactive
Multi Purpose	Dion 600-061	1-pack-LP-System	800	23	57	<ul style="list-style-type: none"> Similar to Dion 600-060 with improved pot life
Multi Purpose	Dion 600-065	1-pack-LP-System	800	23	58	<ul style="list-style-type: none"> Similar to Dion 600-060 with UV stabilizer
Low profile additives	Norpol LP-additive 9885	Thermopl. solution	1000	—	30	<ul style="list-style-type: none"> Good surface aspects Good shrinkage control
Low profile additives	Norpol LP-additive 9888	Thermopl. solution	6500	—	40	<ul style="list-style-type: none"> Good surface aspects Good shrinkage control
Low profile additives	Norpol LPA 9892	Saturated PE	1200	10	67	<ul style="list-style-type: none"> Excellent fibre wetting High filler loads possible Top surface aspects Good colorable Can be used also in combination with LPA 9880
Flame retardant	Polylite 680-191	ISO	50	—	55	<ul style="list-style-type: none"> Low viscosity for high filler loads Good mechanical properties Medium to high reactive
Flame retardant	Norpol FR-additive 9869	—	20.000	< 30	75	Halogenated Additive for flame retardant applications Dispersing and/or mixing pure or together with ATH in resin

