



Unsaturated Polyester Resins and Vinyl Ester Resins

We formulate resins for a better world

We are a composite company truly involved in production and marketing of unsaturated polyester resins. With two production facilities in Europe and Asia we provide state-of-the-art polyester resins to our customers.

Sustainability is a commitment to our children and a key part of our continued success. We embrace it with dedication and stay focused to pursuing a greener and more sustainable future together with our customers. With our broad portfolio of resins and sustainable focus, we are your ideal partner to smoothly and successfully make the transition to lower environmental impact solutions.

**Let's Create
Lighter,
Stronger,
Energy Saving World**

**Let's Create
Composites**

Hand lay-up and spray-up process

Resin name	SYNTAL 9094	SYNTAL 9094 TA	SYNTAL 9094 HDT TA	SYNTAL 9092	SYNTAL 9092 TA	SYNTAL 9091	SYNTAL 9093	SYNTAL 90350
Base	ortho	ortho	ortho	iso	iso	ortho	ortho	Iso/npg
Viscosity (mPa.s)	860-920	900-1100	1100.00	800-1000	900-1100	600-800	600-800	800-1100
Geltime (min)	20-25	20-25	20-25	20-35	25.00	25-35	25-45	25-35
Non-Volatile Content (%)	56-60	56-60	56-60	60-71	60-71	48-55	50-60	56
HDT (C)	66	66	90	105	105	62	68	107
Elongation at break (%)	2	2.5	2.8	4.6	4.6	2	2.3	2.5
Tensile Strength (Mpa)	70	70	70	90	90	66	68	80
Tixotropic	no	yes	yes	no	yes	no	no	no
Application	Boat construction, Containers, pipes, recreational	Boat construction, Containers, pipes, recreational	Boat construction, Containers, pipes, high HDT	Boat construction, first layer of resin for hydrolysis loads	Boat construction, first layer of resin for hydrolysis loads	General purpose for lminated profiles, GRP	General purpose for lminated profiles, GRP	Boat construction, first layer of resin for hydrolysis loads

Casting process

Resin name	SYNTAL 9062	SYNTAL 9062 A	SYNTAL 90350 A	SYNTAL 90350	SYNTAL 9055	SYNTAL 9055 A	SYNTAL 9030	SYNTAL 9031
Base	ortho	ortho	Iso/npg	Iso/npg	iso	iso	ortho	ortho
Viscosity (mPa.s)	500-600	500-600	800-1000	800-1000	900-1400	900-1400	240-300	250-400
Geltime (min)	6-10	6-10	20-25	20-35	25	25	30-45	5-8
Non-Volatile Content (%)	56-60	56-60	56-60	56-60	60-71	60-71	50-60	52
HDT (C)	62	62	105	105	96	96	68	62
Elongation at break (%)	2	2	2.8	2.8	3	3	2.8	3
Tensile Strength (Mpa)	46	46	80	80	66	66	48	50
Accelerated	no	yes	yes	no	no	yes	no	no
Application	Polymer concrete, non-accelerated	Polymer concrete, accelerated	Polymer Concrete, artificial stone, accelerated	Polymer Concrete, artificial stone, non accelerated	Polymer Concrete, artificial stone, non accelerated	Polymer Concrete, artificial stone, accelerated	Polymer concrete, non-accelerated	Polymer concrete, non-accelerated

RTM/Vacuum Infusion/Compression

Resin name	SYNTAL 9030	SYNTAL 9031	SYNTAL VE 101 RTM	SYNTAL 9056	SYNTAL 9056 A			
Base	ortho	ortho	BPA/Epoxy	iso	iso			
Viscosity (mPa.s)	180-220	300	480	300-400	300-400			
Geltime (min)	30-45	30-48	40-60	30	26			
Non-Volatile Content (%)	56-60	56-60	56-60	60-71	60-71			
HDT (C)	62	86	108	96	95			
Elongation at break (%)	2	2.5	4.6	3.8	4			
Tensile Strength (Mpa)	43	55	92	65	65			
Accelerated	no	yes	no	no	yes			
Application	Boat construction, big details	RTM	Boat construction, RTM	Boat construction, good for vacuum infusion	Boat construction, good for vacuum infusion			

Chemical resistance

Resin name	SYNTAL 9094	SYNTAL 9092	SYNTAL 90350	SYNTAL VE 101	SYNTAL FR VE 101	SYNTAL VE 102	SYNTAL VE 102 A	SYNTAL VE 103
Base	ortho	iso	Iso/npg	BPA/Epoxy	BPA/Epoxy	BPA/Epoxy	BPA/Epoxy	Novolac/Epoxy
Viscosity (mPa.s)	860-920	800-1000	800-1100	480	600-800	1400	1400	1600
Geltime (min)	20-25	20-35	25-35	40-60	26	45	45	40
Non-Volatile Content (%)	56-60	60-71	56	60-71	60-71	78	78	78
HDT (C)	66	105	107	108	108	124	124	140
Elongation at break (%)	2	4.6	2.5	4.6	4.6	4.5	4.5	4
Tensile Strength (Mpa)	70	90	80	92	93	96	96	90
Accelerated	no	no	no	no	no	no	yes	no
Application	Boat construction, Containers, pipes, recreational	Boat construction, first layer of resin for hydrolysis loads	Boat construction, first layer of resin for hydrolysis loads	Boat construction, RTM, large chemical structures	Fire retardant chemical resistant resins.	Chemical structures	Chemical structures	Chemical structures



 CPC COMPOSITES | info@cpccomposites.com | www.cpccomposites.com