

## UNSATURATED POLYESTER RESINS

### Product Selector

#### Typical Properties

	Grade	Resin Appearance	Thixotropic	Elongation (%)	HDT (°C)	Viscosity @ 25°C (cps)	Gel Time @ 25°C (min)	Process Techniques
<b>REVERSOL</b>	P 9509/NW	Hazy, Pinkish	Thix	2.2	55	450 - 600	<sup>A</sup> 25 - 35	Hand Lay, Spray Up, Filament Winding
	P 9539/NW	Hazy, Pinkish	Thix	1.6	59	300 - 450	<sup>A</sup> 29 - 34	Hand Lay, Spray Up, Filament Winding
	P 9552/NW	Hazy, Pinkish Yellow	Thix	2.1	69	400 - 600	<sup>A</sup> 29 - 38	Hand Lay, Spray Up, Filament Winding
	P 9570	Hazy, Pinkish	Thix	1.6	63	550 - 750	<sup>H</sup> 19 - 25	Low Styrene Emission
	P 9542	Clear, Orangey Pink	-	2.1	69	300 - 360	<sup>A</sup> 29 - 38	RTM , Hot Press
	P 9133	Clear, Light Pinkish	-	-	-	1100- 1400	<sup>A</sup> 11 - 16	Casting
	P 9140	Clear, Light Pinkish	-	-	-	900 - 1100	<sup>A</sup> 10 - 17	Casting
	P 9533	Hazy, Pinkish	Thix	3.8	60	350 - 430	<sup>A</sup> 14 - 20	Hand Lay, Spray Up
	P 9523P	Clear, Yellowish	-	2	-	450 - 550	<sup>A</sup> 6 - 8	Hot Press
	P 9333	Clear, Pinkish	-	-	-	400 - 650	<sup>A</sup> 10 - 13	Film Lamination
	P 9335	Clear, Pinkish	-	-	-	350 - 450	<sup>A</sup> 6 - 8	Film Lamination
	P 9611	Clear, Yellowish	-	-	-	800 - 1200	<sup>C</sup> 10 - 16	High Flexibility
	P 9941	Clear, Yellowish	-	1.5	112	800 - 1000	<sup>D</sup> 10 - 15	Pultrusion
	P 9940	Hazy, Yellowish	Thix	1.9	113	1600-2600	<sup>D</sup> 10 - 15	Hand Lay, Spray Up, Filament Winding

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<b>REVERSOL</b>	P 9303LV	Clear Brownish Yellow	-	-	-	70 - 170	<sup>E</sup> 4-9	BPO Putty
	P 9583	Opaque, Beige	-	-	-	1100 - 2500	<sup>J</sup> 15 - 25	Hand Lay
	P 9970	Clear, Yellowish	-	3.0	90	600 - 900	<sup>D</sup> 7- 13	Hand Lay, Spray Up, Filament Winding
	P 9772NP	Hazy, Yellowish	Thix	2.5	117	500 - 700	<sup>K</sup> 23 - 33	Hand Lay, Spray Up, Filament Winding
	P 9728P	Hazy, Pinkish Brown	Thix	3.7	61	450 - 600	<sup>A</sup> 24 - 30	Hand Lay, Spray Up, Filament Winding
	P 9770P	Hazy, Pinkish	Thix	3.5	71	400 - 700	<sup>A</sup> 20 - 30	Hand Lay, Spray Up, Filament Winding
	P 9762PNW	Clear, Orangey Yellow	-	5.0	75	400 - 600	<sup>A</sup> 30 - 40	Filament Winding
	P 9771	Clear, Yellowish	-	-	-	800 - 1000	<sup>G</sup> 22 - 28	Pultrusion
	P 9780	Clear, Orangey	-	1.6	130	500 - 750	<sup>D</sup> 5 - 9	Hand Lay, Spray Up, Filament Winding
	P 9765	Hazy, Yellowish	-	3.0	79	230 - 280	<sup>B</sup> 7 - 9	RTM
	P 9766	Opaque, Beige	-	1.3	78	1200 - 1450	<sup>C</sup> 10 - 12	Pultrusion, Hand Lay

#### **Footnotes:**

<sup>A</sup>- 1% MEKP

<sup>B</sup>- 2ml Cob. Oct. 1% + 2 ml MEKP

<sup>C</sup>-4ml Cob. Oct. 0.4% + 2 ml MEKP

<sup>D</sup>-1.6ml Cob. Oct. 1% + 2 ml MEKP

<sup>E</sup>-4% BPO (50%)

<sup>F</sup>-0.96g Cob. Oct. 10% + 0.2g DMA + 2g MEKP

<sup>G</sup>-3ml Cob. Oct. 0.4% + 1 ml MEKP

<sup>H</sup>-2 ml MEKP

<sup>I</sup>-0.18% Cob. Oct. 10% + 1.5% MEKP

<sup>J</sup>-0.18% Cob. Oct. 10% + 1% MEKP

<sup>K</sup>-2.5 Cob. Oct. 1% + 1g MEKP

**Application:**

	Orthophthalic																ISO-NPG		Isophthalic					
Key / : Recommended	Reversol P 9509 /NW	Reversol P 9539	Reversol P 9552	Reversol P 9570	Reversol P 9542 / P 9502 CSH	Reversol P 9133	Reversol P 9140	Reversol P 9533	Reversol P 9523P	Reversol P 9333	Reversol P 9335	Reversol P 9611	Reversol P 9941	Reversol P 9940	Reversol P 9303 LV	Reversol P 9583	Reversol P 97970 (make to order)	Reversol P 9772NP (make to order)	Reversol P 9728P	Reversol P 9770P	Reversol P 9771	Reversol P 9780	Reversol P 9765	Reversol P 9766
General Purpose	/	/	/	/																				/
Marine	/		/															/	/	/				
Car putty															/									
Automobile	/		/	/	/				/			/		/				/	/	/			/	
Fire Retardant																/								/
Acrylic tub	/							/																
Souvenir						/																		
Solid Surface						/	/																	
Cultured Marble						/	/																	
Pipe	/																				/			
Water & Sewage Tank	/	/	/	/	/				/														/	
Pultrusion													/								/			/
Chemical Resistance																	/	/	/	/	/	/	/	/
Plywood										/	/													
uPVC Lining																	/							
High HDT														/				/				/		
Mould														/							/			

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