

GRADES	LIQUID RESIN PROPERTIES						CAST RESIN PROPERTIES					RECOMMENDED APPLICATIONS
	Appearance	Viscosity at 25°C (cP)	Specific Gravity at 25°C	Acid Value (mgKOH/gm)	Volatile Content (%)	Gel Time at 25°C (min)	Barcol Hardness	HDT (°C)	Water Absorption (mg)	Tensile Strength (kg/cm <sup>2</sup> )	Flexural Strength (kg/cm <sup>2</sup> )	
<b>ORTHOPHTHALATES</b>												
KPR 6100	Clear	500	1.12	25	35	15	44	68	22	550	1000	General Purpose Laminating Resin
KPR 6200 #	Clear	450	1.11	25	35	15	45	68	20	500	1000	General Purpose Boat Grade
KPR 6300	Clear	500	1.11	25	35	12	48	68	18	600	1100	Superior General Purpose
KPR 6300C	Clear	1700	1.13	25	25	07	45	62	18	650	1100	Buttons
KPR 6400	Clear	200	1.11	24	36	10	42	62	22	500	1000	Rooflight with UV stabilization
KPR 6410	Clear	200	1.13	24	36	10	40	58	28	450	900	Regular Rooflight Resin
KPR 6415	Clear	200	1.13	24	36	10	40	60	26	450	900	Sheet grade Application
KPR 6420	Clear	1000	1.12	22	32	20	45	90	30	450	950	General Purpose Pultrusion
KPR 6430	Clear	1200	1.13	22	32	20	45	95	30	450	950	General Purpose SMC/DMC
KPR 6440	Opaque	1200	1.17	24	30	15	40	62	30	400	900	General Purpose Fire Retardant
KPR 6450	Clear	250	1.12	23	35	15	42	62	28	500	1000	General Purpose RTM
KPR 6460	Clear	500	1.11	22	33	25	40	95	15	500	900	DCPD based Resin
KPR 6470	Clear	350	1.11	18	36	20	45	75	14	700	1200	Filament Winding Application
KPR 6115	Thixotropic	10000	-	25	32	12	45	68	20	550	1000	General Purpose Gel Coat
<b>ISOPHTHALATES</b>												
KPR 6600 #	Clear	600	1.11	15	38	15	50	100	15	650	1100	Isophthalic Laminating Resin
KPR 6610	Clear	600	1.11	16	38	15	50	110	20	600	1200	Isophthalic Structural Application
KPR 6620	Clear	1000	1.12	18	36	10	50	115	20	650	1200	Isophthalic Pultrusion
KPR 6630	Clear	1200	1.13	18	35	20	50	125	25	550	1250	Isophthalic SMC/DMC
KPR 6640	Opaque	1200	1.17	18	32	15	45	100	25	600	1100	Isophthalic Fire Retardant
KPR 6670 ##	Clear	350	1.11	15	39	20	45	105	15	700	1200	Filament Winding Application
KPR 6615 #	Thixotropic	10000	-	18	33	12	45	100	18	600	1200	Isophthalic Gel Coat
KPR 6625 #	Thixotropic	10000	-	18	33	12	45	100	18	600	1200	Isophthalic NPG Gel Coat
<b>TEREPHTHALATES</b>												
KPR 6700 #	Hazy	600	1.11	16	37	15	40	100	22	600	1000	Terephthalic Laminating Resin
KPR 6770 ##	Hazy	600	1.11	15	36	20	45	83	14	750	1200	Filament Winding Application
<b>VINYL ESTERS</b>												
KVR 6811 #	Clear	400	1.06	<10	40	15	40	103	8	800	1350	Bisphenol-A Epoxy Vinyl Ester
KVR 6870	Clear	250	1.06	<10	36	22	40	140	9	650	1200	Novalac Epoxy Vinyl Ester
KVR 6820	Clear	300	1.05	<10	35	22	42	120	10	700	1200	High HDT Vinyl Ester
KVR 6830	Clear	300	1.30	<10	36	22	42	110	10	600	1100	Fire Retardant Vinyl Ester
KVR 6815 #	Thixotropic	10000	-	<10	40	15	40	100	10	700	1200	Bisphenol-A Epoxy Vinyl Ester Gel coat
KVR 6875	Thixotropic	10000	-	<10	35	22	40	130	10	600	1200	Novalac Epoxy Vinyl Ester Gel Coat
KPR 6900	Clear	500	1.03	<10	50	22	40	120	15	600	1000	Bisphenol Fumerate Resin

- Gel Time: Resin : 100gms, Cobalt Octoate(3%) 1.0ml and MEKP(50%) 1.5ml
- Gel Time: Resin : 100gms, Cobalt Octoate (3%) 0.14 ml and MEKP(50%) 1.5ml (KPR 6300C)
- For Grades KVR 6811, KVR 6820, KVR 6830 and KVR 6815, 10% DMA 1.5ml to be added
- Ortho & ISO Resins are also available in Pre-accelerated & Thixotropic grades.

- # Approved by Lloyd's Register of Shipping (LRS) for Marine application.
  - ## Approved by Water Regulations Advisory Scheme (WRAS) UK , according to BS-6920 for potable water application.
- The method of testing and the tolerances are as prescribed in IS-6746-1994, ASTM & BS.