



Corporate Office:

KLJ House
8A, Shivaji Marg, Najafgarh Road,
New Delhi - 110 015, India

Domestic Offices:

Chennai | Kolkata | Mumbai

International Offices:

Doha | Dubai | Singapore

www.kljindia.com



KLJ/EP/JAN/2026

TRUST BUILT ON PERFORMANCE

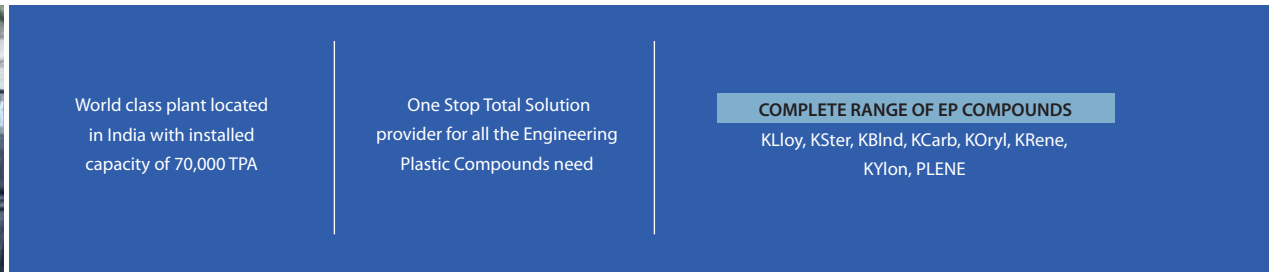
...sustaining life with natural footprints



KLJ GROUP
SINCE 1967



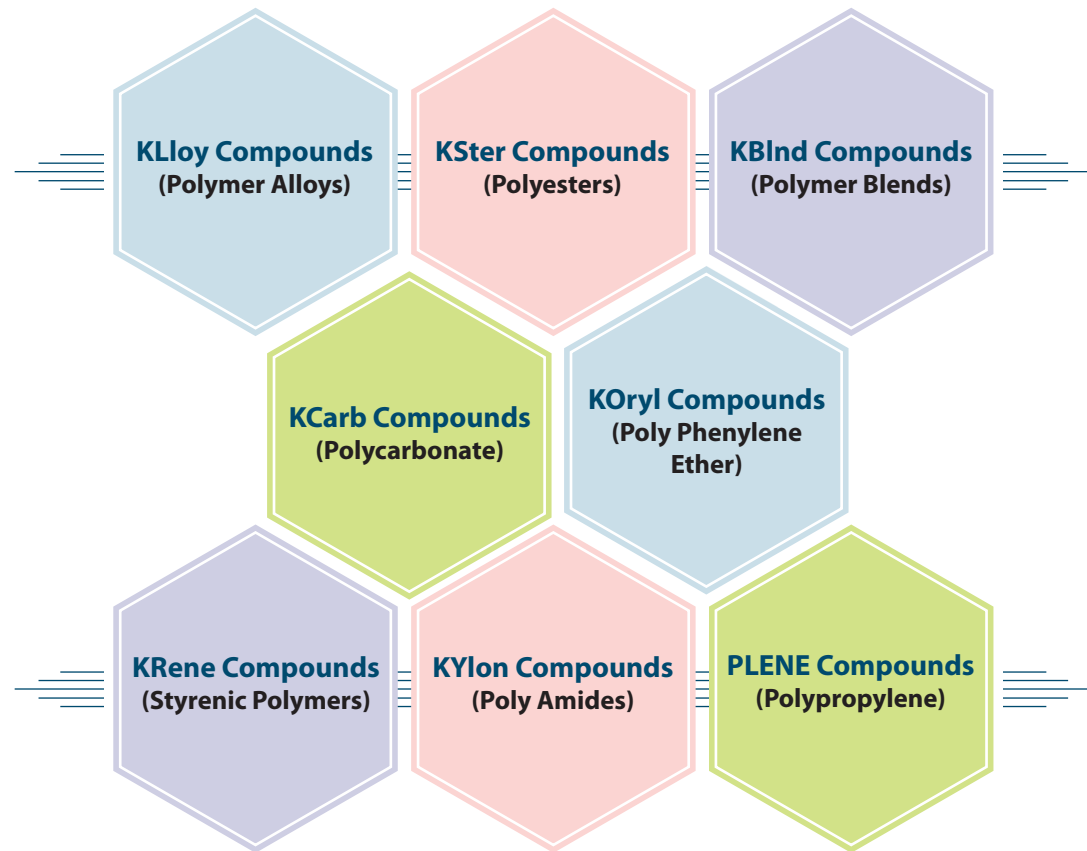
HIGH PERFORMANCE ENGINEERING PLASTICS SOLUTION PROVIDER



KLloy, KSter, KBlnd, KCarb, KOryl, KRene,
KYlon, PLENE



HIGH PERFORMANCE ENGINEERING PLASTICS SOLUTION PROVIDER



KLJ – ENGINEERING PLASTIC PRODUCT MATRIX

[illegible]

KLJ – ENGINEERING PLASTICS PRODUCT SPECIFICATIONS

PROPERTIES	KLloy		PC/ABS					PA/ABS			PC/ASA	
			UV Stabilised	Impact Modified	High Flow	Flame Retardant	FR & Glas Fibre	UV Stabilised & High Impact	Glass Fibre	Mineral Filled	UV Stabilised	Flame Retardant
	Unit	Test Method	1100	0500	1300	0400	0415	1100	0220	0308	1100	0400
PHYSICAL												
Specific Gravity	-	ASTM D792	1.15	1.12	1.14	1.17	1.29	1.06	1.2	1.11	1.14	1.17
MECHANICAL												
Tensile Strength	Kg/cm2	ASTM D638	570	500	550	500	800	470	800	575	600	630
Flexural Strength	Kg/cm2	ASTM D790	920	850	900	800	1200	670	1200	800	900	930
Flexural Modulus	Kg/cm2	ASTM D790	25000	23000	24500	26000	41000	20000	45000	25000	26000	25000
Izod Notched Impact at 23°C	Kg.cm/cm	ASTM D256	65	72	65	59	8	75	9	7	20	20
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256	35	45	35	25		15	5	5		12
THERMAL												
Melt Flow Rate at 260°C/5 Kg	g/10 min	ASTM D1238	14	18	22	25	25	40 (240°C/10 Kg)	15 (240°C/10 Kg)	8	22	22
HDT, 18.6 Kg/cm2	°C	ASTM D648	110	100	108	78	115	65	100	83	90	85
HDT, 4.6 Kg/cm2	°C	ASTM D648	127	120	126			90	165	97	103	100
FLAMMABILITY												
Flammability Rating	Class (mm)	Similar to UL 94 (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB	V0 (1.6mm)	V2 (0.8mm) (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (1.6mm)	V0
ELECTRICAL												
Dielectric Strength	kV/mm	ASTM D149	35	35	35	35					35	35
Volume Resistivity	Ω cm	ASTM D257	1.00E+16	1.00E+16	1.00E+16	1.00E+17		1.00E+15	1.00E+15	1.00E+15	1.00E+16	1.00E+17
Key Features			UV Stabilised	Impact Modified	High Flow	Flame Retardant	Halogen Free FR & 15% Glass Fibre	UV Stabilised & High Impact	20% Glass Fibre	Mineral Filled	UV Stabilised	Flame Retardant
Applications			Automotive: Automotive Front Ends, Centre Consoles, Glove Box Cover, Door Trims, Wheel Cover & Cap, Defroster Grille, Back Mirror Housings, Tail Lamp Housings, Seat Levers, Speaker Grill Electrical/Electronic: Monitor Housing, Printer/Fax Housing, Cellular Phone Case, TV Frame, Relay Case, Connector, Switch Industrial/Household : Helmet, Terminal Box, Electrical Housing, Industrial Bobbin, Distribution Board Box, Power & Gardening Tool									

PROPERTIES	KSTer		PBT								
			Unfilled		Reinforced				Flame Retardant		
	Unit	Test Method	General	Impact Modified	Glass Fibre	Glass Fibre	Glass Beads	Mineral Filled	Unfilled	Glass Fibre	Glass Fibre
			0100	0500	0215	0230	1520	0320	0400	0715	0730
PHYSICAL											
Melt Specific Gravity	-	ASTM D792	1.31	1.28	1.41	1.52	1.46	1.47	1.42	1.51	1.63
MECHANICAL											
Tensile Strength	Kg/cm2	ASTM D638	550	480	950	1430	450	590	520	980	1250
Flexural Strength	Kg/cm2	ASTM D790	850	720	1500	1800	800	950	800	1520	1900
Flexural Modulus	Kg/cm2	ASTM D790	24000	20000	50000	78000	33000	42000	23000	58000	85000
Izod Notched Impact at 23°C	Kg.cm/cm	ASTM D256	4	5.5	5	7.5	4	4	4.5	5.5	7
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256									
THERMAL											
Melt Flow Rate at 250°C/2.16 Kg	g/10 min	ASTM D1238	30	25					40		
HDT, 18.6 Kg/cm2	°C	ASTM D648	57	54	200	210	72	100	65	200	210
HDT, 4.6 Kg/cm2	°C	ASTM D648	154	154	210	216	170	190	170	210	215
FLAMMABILITY											
Flammability Rating	Class (mm)	Similar to UL 94	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	V0 (0.8mm)	V0 (0.8mm)	V0 (0.8mm)
ELECTRICAL											
Dielectric Strength	kV/mm	ASTM D149	>20	23	23	23	30	>20	20	23	24
Volume Resistivity	Ω cm	ASTM D257	1.00E+17	1.00E+17	1.00E+16	1.00E+16	3.00E+14	1.00E+16	1.00E+13	1.00E+17	1.00E+17
Key Features			Unfilled	Impact Modified	15% Glass Fibre	30% Glass Fibre	20% Glass Beads	20% Mineral Filled	Unfilled Flame Retardant	Flame Retardant & 15% Glass Fibre	Flame Retardant & 30% Glass Fibre
Applications			Automotive: Bezels, A/C Louver Fins, Ignition Components, Head Lamp Actuator, Rotor Arm, Spark Plug Caps, Window Drive System, Speed Control Device, Connectors Electrical/Electronic: Relay, Lamp Socket, Solenoid & Transformer Bobbin, Timer Case, MCB, Condenser, Switch, Connectors Industrial/Household: Pump Case, Oven Handle, Toaster and Cooker Housing, Gear, Insulator Support & Bracket, Telecommunication Cable Splice Closure, Water Meter Housing, Loose Tube								

PROPERTIES	KYLon		PA6										
			Unfilled		Reinforced						Flame Retardant		
	General	Impact Modified	Glass Fibre	Glass Fibre	Glass Fibre + Mineral	Glass Fibre + Impact Modified	Hydrolysis Resistant	Heat Stabilised	Unfilled	Mineral Filler	Glass Fibre		
	Unit	Test Method	0100	0500	0230	0250	0630	0930	1330	1630	0400	0825	0730
PHYSICAL													
Specific Gravity	-	ASTM D792	1.13	1.04	1.37	1.56	1.37	1.32	1.37	1.37	1.18	1.38	1.44
MECHANICAL													
Tensile Strength	Kg/cm2	ASTM D638	800	400	1900	2250	1200	1400	1850	1850	750	680	800
Flexural Strength	Kg/cm2	ASTM D790	1100	600	2750	3300	1900	2000	2800	2800	900		
Flexural Modulus	Kg/cm2	ASTM D790	27000	20000	90000	140000	85000	75000	90000	90000	32000		
Izod Notched Impact at 23°C	Kg.cm/cm	ASTM D256	5	80	13	16	6	28	12	12	5	4	4
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256					5				4		
THERMAL													
Melt Flow Rate at 275°C/5 Kg	g/10 min	ASTM D1238					150						
HDT, 18.6 Kg/cm2	°C	ASTM D648	60	53	210	210	195	190	210	210	75	110	210
HDT, 4.6 Kg/cm2	°C	ASTM D648	170	110			215	205	215	215	180	205	180
FLAMMABILITY													
Flammability Rating	Class (mm)	Similar to UL 94	V-2 (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	V0 (0.8mm)	V2 (0.8mm)	V2 (0.8mm)
ELECTRICAL													
Dielectric Strength	kV/mm	ASTM D149	19	19	20	25	22	25	20	20	30		
Volume Resistivity	Ω cm	ASTM D257	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15
Key Features			Unfilled	Impact Modified	30% Glass Fibre	50% Glass Fibre	10% Glass Fibre + 20% Mineral	30% Glass Fibre + Impact modified	Hydrolysis Resistant, 30% Glass Fibre	High Heat Stabilised, 30% Glass Fibre	Halogen Free Flame Retardant	Halogen Free Flame Retardant + 25% Mineral Filler	Halogen Free Flame Retardant + 30% Glass Filler
Applications			Automotive: Engine Cover, Air Intake Manifold, Cylinder Head Cover, Fan & Shroud, Radiator Tank, Reservoir Tank, Wheel Cover, Side Mirror Base, Door Frame Inner Cover, Door Handles Electrical/Electronic: MCB, MCCB, RCCB, Relay Switch Cover, Bobbin, Connector, Industrial Circuit Breaker, Junction Box, Refrigerator Door Frame Industrial: Buckle, Fastener, Inline Skate Frame, Power Tools										



Advanced Color
Matching Technology
with over 50 years of
experience

An ISO 9001 : 2015, ISO
14001 : 2015 certified
company to assure quality
specifications meeting
environment concerns

COMPLETE RANGE OF EP COMPOUNDS

KLloy, KSter, KBlnd, KCarb, KOryl, KRene,
KYlon, PLENE



KLJ – ENGINEERING PLASTICS PRODUCT SPECIFICATIONS

PROPERTIES	KYlon		PA66								
			Unfilled		Reinforced					Flame Retardant	
	Unit	Test Method	Gneral	Impact Modified	Glass Fibre	Glass Fibre	Glass Fibre+ Mineral	Hydrolysis Resistant	Heat Stabilised	Unfilled	Glass Fibre
			0100	0500	0230	0250	0638	1330	1630	0400	0430
PHYSICAL											
Specific Gravity	-	ASTM D792	1.13	1.04	1.37	1.56	1.45	1.37	1.37	1.17	1.44
MECHANICAL											
Tensile Strength	Kg/cm2	ASTM D638	820	425	2000	2500	1200	1900	1850	770	1500
Flexural Strength	Kg/cm2	ASTM D790	1100	630	2800	4000		2850	2800	920	
Flexural Modulus	Kg/cm2	ASTM D790	28000	20500	85000	160000	70000	92000	90000	32000	
Izod Notched Impact at 23°C	Kg.cm/cm	ASTM D256	5.5	85	13	17	5	13	12	6	9
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256					4.5			5	
THERMAL											
Melt Flow Rate at 275°C/5 Kg	g/10 min	ASTM D1238									
HDT, 18.6 Kg/cm2	°C	ASTM D648	70	60	250	255	230	250	250	75	245
HDT, 4.6 Kg/cm2	°C	ASTM D648	200	120	260	260	255	260	260		
FLAMMABILITY											
Flammability Rating	Class (mm)	Similar to UL 94	V-2 (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	V0 (0.8mm)	V0 (0.8mm)
ELECTRICAL											
Dielectric Strength	kV/mm	ASTM D149	31	25	35	38		35	35	30	36
Volume Resistivity	Ω cm	ASTM D257	1.00E+15	1.00E+15	1.00E+15	1.00E+15		1.00E+15	1.00E+15	1.00E+15	
Key Features			Unfilled	Impact Modified	30% Glass Fibre	50% Glass Fibre	17% Glass Fibre + 21% Mineral Filler	Hydrolysis Resistant, 30% Glass Fibre	High Heat Stabilised, 30% Glass Fibre	Halogen Free Flame Retardant	Halogen Free Flame Retardant + 30% Glass Filler
Applications			Automotive: Engine Cover, Air Intake Manifold, Cylinder Head Cover, Fan & Shroud, Radiator Tank, Reservoir Tank, Wheel Cover, Side Mirror Base, Door Frame Inner Cover, Door Handles Electrical/Electronic: MCB, MCCB, RCCB, Relay Switch Cover, Bobbin, Connector, Industrial Circuit Breaker, Junction Box, Refrigerator Door Frame Industrial: Buckle, Fastener, Inline Skate Frame, Power Tools								

PROPERTIES	PLENE		Unfilled		Alloy		Reinforced							Flame Retardant
			Impact Modified	Impact Modified	Impact Modified	Impact Modified	Mineral Filler	Mineral Filler	Mineral Filler	Mineral Filler	Glass Fiber	Glass Fiber	Glass Fiber	Mineral Filler
	Unit	Test Method	CPT 2020	CPT 2410	TEO 2055	CPN 7000	HPC 1010	HPC 2030	HPT 1020	HPT 1040	HPG 1020 CC	HPG 1030 CC	HPG 1040	HPF 1010
PHYSICAL														
Specific Gravity	-	ASTM D792	1.05	1.00	0.93	0.90	0.98	1.13	1.05	1.24	1.05	1.13	1.21	1.19
MECHANICAL														
Tensile Strength	Kg/cm2	ASTM D638	190	180	130	170	280	230	300	270	750	1050	1200	300
Flexural Strength	Kg/cm2	ASTM D790												
Flexural Modulus	Kg/cm2	ASTM D790	20000	14000	10000	8000	20000	25000	25000	33000	42000	48000	62000	22000
Izod Notched Impact (23°C)	kg.cm/cm	ASTM D256	25	NB	40	10	4	3	3.5	3	14	16	16	3
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256												
THERMAL														
Melt Flow Rate at 230°C/2.16 Kg	g/10 min	ASTM D1238	30	22	20	75	10	20	10	10	5	4	3	10
HDT, 18.6 Kg/cm2	°C	ASTM D648												
HDT, 4.6 Kg/cm2	°C	ASTM D648	120	105	95	72	100	115	115	128	150	160	162	
FLAMMABILITY														
Flammability Rating	Class (mm)	Similar to UL 94	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)	V0 (3mm)
ELECTRICAL														
Dielectric Strength	kV/mm	ASTM D149												
Volume Resistivity	Ω cm	ASTM D257	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	2.00E+15	
Key Features			20% Talc Filled Impact Modified	20% Talc Impact Modified & High Flow	Unfilled Impact Modified	Unfilled Impact Modified	10% CaCO3 Filled	30% CaCO3 Filled	20% Talc Filled	40% Talc Filled	20% Glass Fibre, Chemically Coupled	30% Glass Fibre, Chemically Coupled	40% Glass Fibre, Chemically Coupled	Flame Retardant 10% Talc Filled
Applications			Automotive: Door Trims, Dash Board, Mud Flaps, Bumpers, Fender & Fender Assembly, Grip Handle Bracket, Fan Shroud, Helmet Box, Rear Quarter Trim, B Pillar, Air Vent, Instrument Cluster, Seat Back Cover Electrical/Electronic/ White Goods: Iron Handle, Iron Body, Torch Body, Room Heater Cover, Air Cooler Body & Tank, A/C Housing, Pulley Industrial: Irrigation System, Table Mats											

CUSTOMERS

CERTIFICATION

