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VALUE
YOUR
TRUST**

... sustaining life with natural footprints

HIGH PERFORMANCE ENGINEERING PLASTICS SOLUTION PROVIDER



World class plant located in India with installed capacity of 70,000 TPA

One Stop Total Solution provider for all the Engineering Plastic Compounds need

COMPLETE RANGE OF EP COMPOUNDS

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

HIGH PERFORMANCE ENGINEERING PLASTICS SOLUTION PROVIDER



KLJ – ENGINEERING PLASTIC PRODUCT MATRIX

Polymer Compound	General			Reinforced							Special Features							
	Unfilled/ Coloured	Impact Modified	Glass Fibre	Glass Beads	Carbon Fibre	Mineral Filler	Glass Fibre + Mineral Filler	Glass Fibre + Impact Modified	Mineral Filler + Impact Modified	Flame Retardant + Glass Fibre	Flame Retardant	Halogen & Phosphorus Free Flame Retardant	UV Stabilised	High Flow	Hydrolysis Resistance	Heat Stabilised	Plating Grade	Low Temperature Ductility
PBT	√	√	√	√		√	√	√	√	√	√	√	√	√	√			
PET	√	√	√	√		√	√	√	√						√			
PBT/PET	√	√	√	√		√	√	√	√	√	√	√	√		√			
PBT/ABS	√	√	√	√									√					
PBT/ASA	√	√	√	√														
PC	√	√	√	√				√		√	√	√	√	√				
PC/ABS	√	√	√					√		√	√	√	√	√			√	√
PC/PBT	√	√	√			√		√					√	√				√
PC/PET	√	√	√			√			√				√	√				√
PC/ASA	√	√	√										√	√				√
PMMA/ASA	√												√					
ABS	√	√	√			√				√	√		√	√			√	
SAN	√	√	√					√										
ASA	√	√																
PA6	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√
PA66	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√		√
PA/ABS	√	√	√	√														
PPO/HIPS	√	√	√							√		√			√	√		
PPO/PA	√	√	√					√		√		√		√	√			√
POM	√		√															
POM/TPU	√																	
PP	√	√	√	√		√	√	√	√	√	√	√	√	√		√		√

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/cm ²	ASTM D638	570	500	550	500	800	470	800	575	600	630
Flexural Strength	Kg/cm ²	ASTM D790	920	850	900	800	1200	670	1200	800	900	930
Flexural Modulus	Kg/cm ²	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/cm ²	°C	ASTM D648	110	100	108	78	115	65	100	83	90	85
HDT, 4.6 Kg/cm ²	°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 0100	Impact Modified 0500	Glass Fibre 0215	Glass Fibre 0230	Glass Beads 1520	Mineral Filled 0320	Unfilled 0400	Glass Fibre 0715	Glass Fibre 0730
PHYSICAL											
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/cm ²	ASTM D638	550	480	950	1430	450	590	520	980	1250
Flexural Strength	Kg/cm ²	ASTM D790	850	720	1500	1800	800	950	800	1520	1900
Flexural Modulus	Kg/cm ²	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/cm ²	°C	ASTM D648	57	54	200	210	72	100	65	200	210
HDT, 4.6 Kg/cm ²	°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								



DSIR Recognised dedicated R & D centre to develop New Products and Applications

An IATF 16949 : 2016 certified company to cater all automotive needs

COMPLETE RANGE OF EP COMPOUNDS

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

KLJ – ENGINEERING PLASTICS PRODUCT SPECIFICATIONS

PROPERTIES	KBlnd/KCarb		PC/PBT			PC/PET			PBT/PET			PC			
			UV Stabilised	Impact Modified	Glass Fibre	Mineral + Impact Modified	Impact Modified	Mineral Filled	Glass Fibre	Unfilled	UV Stabilised	Glass Fibre	Glass Fibre	Unfilled FR	FR Glass Fibre
	Unit	Test Method (ASTM)	1100	0500	0210	1015	0500	0320	0230	0100	1100	0210	0230	0400	0710
PHYSICAL															
Specific gravity	-	D792	1.22	1.2	1.3	1.34	1.2	1.49	1.53	1.2	1.2	1.27	1.41	1.2	1.25
MECHANICAL															
Tensile Strength	Kg/cm2	D638	600	500	850	650	500	560	1450	650	650	750	1200	650	650
Flexural Strength	Kg/cm2	D790	900	750	1300	1050	750	930	2000	1000	1000	1200	1800	1000	1200
Flexural Modulus	Kg/cm2		23500	22000	39000	43000	21000	46800	100000	23000	23000	35000	75000	23000	35000
Izod Notched Impact (23°C)	kg.cm/cm	D256	65	80 (NB)	9	9	50	3	8	70	70	8	11	65	7
Izod Notched Impact (-30°C)	kg.cm/cm		10	60	6	7		3							
THERMAL															
Melt Flow Rate (260°C/5 Kg)	g/10 min	D1238	20	15	15	10 (265°C/5kg)	15	55 (265°C/ 2.16kg)	30 (275°C/ 2.16kg)	10	12			12	
HDT, 18.6 Kg/cm2	°C	D648	107	53	115	113	100	70	205	130	130	140	140	128	135
HDT, 4.6 Kg/cm2	°C		115	93		132		180	220						
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)	V2 (0.8mm)	V2 (0.8mm)	V2 (0.8mm)	V2 (0.8mm)	V0 (0.8mm)	V0 (1.5mm)
ELECTRICAL															
Dielectric Strength	kv/mm	D149	28	28	28	33	33		18	34	34	34	34	34	34
Volume Resistivity	Ω cm	D257	5.50E+16	5.50E+16	5.50E+16	1.00E+17	1.00E+17		7.50E+00	1.0E+16	1.0E+16	1.0E+16	1.0E+16	1.0E+16	1.0E+16
Key Features			UV Stabilised	Impact Modified	10% Glass Fibre	15% Mineral + Impact Modified	Impact Modified	20% Mineral Filled	30% Glass Fibre	Unfilled	UV Stabilised	10% Glass Fibre	30% Glass Fibre	Halogen Free Flame Retardant	Flame Retardant & 10% Glass Fibre
Applications			Automotive: Door Handle, Energy Absorbers, Spoilers, Radiator Grille, Head Lamp Bezels Electrical/Electronic: Medical Device Housing, Printer/Fax Housing, Lamp Socket, Connector, Switch, MCB Industrial/Household: Iron Skirts, Power Tools, Lawn/Garden Equipment, Water Meter Housing						Automotive: Head Lamp, Tail Lamp, Front Ends Electrical/Electronic: Switches, LED Diffuser Dome & Batten, Energy Meter Housings, Sockets, Relay Case, Connectors Industrial/Household: Industrial Bobbins, Distribution Board Box, Gears & Cams, Power Tool Components						

PROPERTIES	KOryl		PPO/HPS						PPO/PA		
			Unfilled	Glass Fibre	Glass Fibre	Flame Retardant	Flame Retardant	Flame Retardant+ Glass Fibre	Unfilled	Glass Fibre	Flame Retardant
	Unit	Test Method	0100	0220	0230	0400	0400	0720	0100	0230	0400
PHYSICAL											
Specific Gravity	-	ASTM D792	1.04	1.23	1.29	1.07	1.11	1.24	1.1	1.34	1.12
MECHANICAL											
Tensile Strength	Kg/cm2	ASTM D638	500	1000	1200	420	500	1200	640	1550	590
Flexural Strength	Kg/cm2	ASTM D790	850	1400	1800	640	1000	1650	1100	2050	970
Flexural Modulus	Kg/cm2	ASTM D790	23000	50000	80000	23000	26000	62000	24000	71000	26000
Izod Notched Impact (23°C)	kg.cm/cm	ASTM D256	29	9	12	14	6	9	21	8	10
Izod Notched Impact at -30°C	kg.cm/cm	ASTM D256			12	7		7.5	16		7
THERMAL											
Melt Flow Rate at 280°C/5 Kg	g/10 min	ASTM D1238	25	10	8	20	15	8	50	30	10
HDT, 18.6 Kg/cm2	°C	ASTM D648	128	137	137	77	80	135		214	
HDT, 4.6 Kg/cm2	°C	ASTM D648							186	250	195
FLAMMABILITY											
Flammability Rating	Class (mm)	Similar to UL 94	HB (1.5mm)	HB (1.5mm)	HB (1.5mm)	V2 (1.5mm)	V0 (1.5mm)	V0 (3.2mm)	HB (1.5mm)	HB (1.5mm)	V0 (2.0mm)
ELECTRICAL											
Dielectric Strength	kv/mm	ASTM D149		22	22						
Volume Resistivity	Ω cm	ASTM D257									1.0E+17
Key Features			Unfilled	20% Glass Fibre Fibre	30% Glass Fibre	Halogen Free Flame Retardant	Halogen Free Flame Retardant	Flame+ 20% Glass Fibre	Unfilled	30% Glass Fibre	Halogen Free Flame Retardant
Applications			Automotive: Fuse and Relay Box, Exterior Body Panel, Electric Vehicle Battery Module Housing, Wheel Covers, Bobbins Water and Fluid System: Pump Impeller, Pump Housing, Water Softener Tank, Water Purifier Part Electrical/Electronic: TV Front Cover, TV Rear Cover, TV Stand Base, Speaker Housing, Toner Cartridge Housing, Adapter Industrial: PV Module Junction Box, Battery Module Housing, Battery Tray, Motor and Generator Cover								

KLJ – ENGINEERING PLASTICS PRODUCT SPECIFICATIONS

PROPERTIES	K Rene		ABS			SAN		ASA
			Unfilled	Glass Fibre	Flame Retardant	Glass Fibre	Glass Fibre	Unfilled
	Unit	Test Method	0100	0230	0400	0920	0930	0100
PHYSICAL								
Specific Gravity	-	ASTM D792	1.04	1.28	1.15	1.21	1.27	1.07
MECHANICAL								
Tensile Strength	Kg/cm2	ASTM D638	525	900	420	1000	1100	480
Flexural Strength	Kg/cm2	ASTM D790	750	1450	800	1300	1500	750
Flexural Modulus	Kg/cm2	ASTM D790	27000	75000	30000	65000	88500	23000
Izod Notched Impact at 23°C	Kg.cm/cm	ASTM D256	24	8	7	7.5	9	17
Izod Notched Impact at -30°C	Kg.cm/cm	ASTM D256						
THERMAL								
Melt Flow Rate at 220°C/10 Kg	g/10 min	ASTM D1238	20		15	5	3	8
HDT, 18.6 Kg/cm2	°C	ASTM D648	93	103	82	98	102	97
HDT, 4.6 Kg/cm2	°C	ASTM D648	97	105				104
FLAMMABILITY								
Flammability Rating	Class (mm)	Similar to UL 94	HB (0.8mm)	HB (0.8mm)	V0 (1.6mm)	HB (0.8mm)	HB (0.8mm)	HB (0.8mm)
ELECTRICAL								
Dielectric Strength	kV/mm	ASTM D149						
Volume Resistivity	Ω cm	ASTM D257	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15	1.00E+15
Key Features			Unfilled	30% Glass Fibre	Flame Retardant	20% Glass Fibre	30% Glass Fibre	Unfilled
Applications			Automotive: Radiator Grilles, Light Housing, Spoiler, Helmets, Loudspeaker Grilles, Plated Parts, Sun Visor Electrical/Electronic: UPS Housing, Vacuum Cleaner Housing, Fridge Inner/Liners, EVM Housing, Energy Meter Housing, A/C Fan Blades, Blower Industrial/Household: Shower Trays, Mixers & Blenders, Batteries, Gardening Equipment					

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	General	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)	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											



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