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Moving to our New Office Premises w.e.f. March 2020: 8A, Shivaji Marg, Najafgarh Road, New Delhi -110015 (India) "same contact no.s"

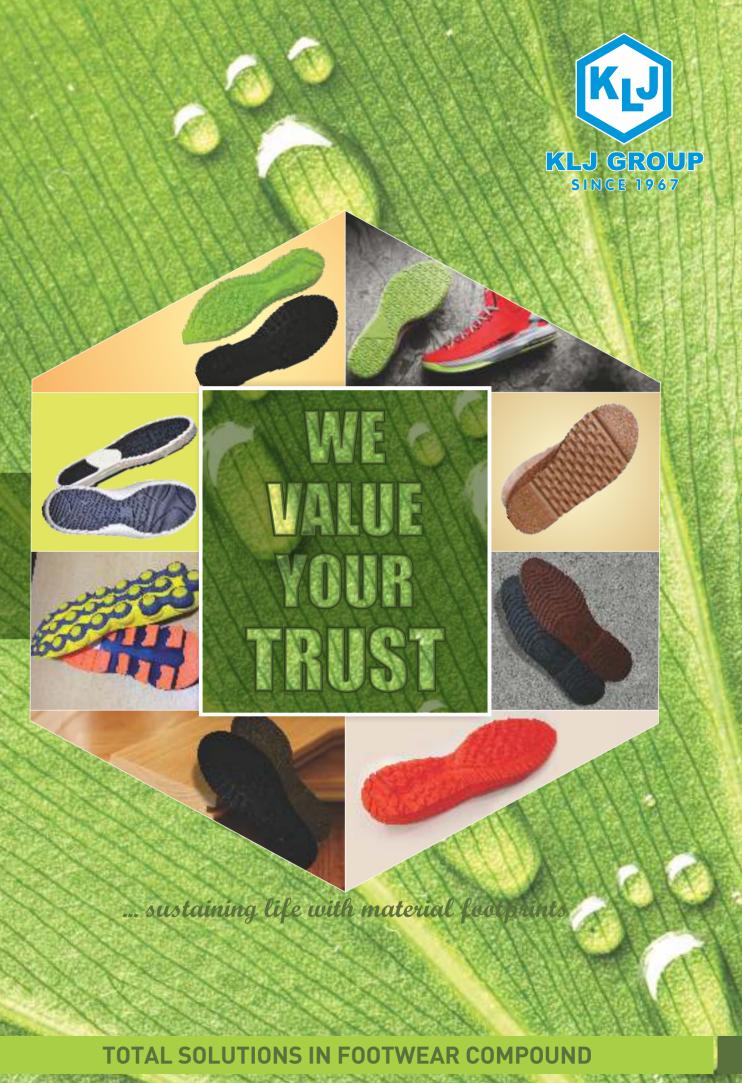
Branch Offices

KLJ GROUP
SINCE 1967

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S.NO. GRADE

6 Q-60 SPL

8 Q-85 SPL

TEST METHOD

World Class Plants strategically aggregating over 100,000 tpa.

NOS.

One Stop Total Solutions other Compound needs.

MINUTES (MIN) KG/CM² (MIN)

COMPLETE RANGE OF FOOTWEAR COMPOUND

- PVC Compact, Microlon, Green Cloud (Lite Weight), Cork etc.
- TPR Normal, Expandable (Lite Weight), Low Abrasion, Cork etc.

% (MIN)

EVA - Lite Weight with Low Abrasion

% (MAX)

FOOTWEAR COMPOUND

	KLJTM
DED TEMP	APPLICATIONS
	Sole
	Soles/Chappals
	Chappal Straps
	Chappals / Straps
	Transparent sole/ Straps
	Soles
	Transparent Chappal /Shoe/Straps
	Gum Boots
	Transparent Gum Boot Sole
	Transparent Gum Boot Uppers

^{*} Fluorescent & Glitter compounds are also available. | * As per requirement, all grades are available in different colors, different hardness and UV Stabilized. Properties may vary with hardness.

 60 ± 3

1.17 ± 0.02

1.22 ± 0.02 1.23 ± 0.02

1.24 ± 0.02

1.25 ± 0.02

PVC - Microlon												
S.NO.	GRADE SPECIFIC GRAVITY		HARDNESS (SHORE A)	THERMAL STABILITY @200°C	TENSILE STRENGTH	ELONGATION AT BREAK	VOLATILE LOSS AT 130°C/3 HRS	RECOMMENDED PROCESSING TEMP	APPLICATIONS			
	UNITS →	NA	NOS.	MINUTES (MIN)	KG/CM ² (MIN)	% (MIN)	% (MAX)	°C				
	TEST METHOD →	ASTM D792	ASTM D2240	IS 5831	ASTM D 638 / IS	3 10810(Part-7)	KPCL/QCD/WIN-2	_				
1	A1	1.24 ± 0.02	50 ± 3	15	40	200		145-175	Chappal & Soles			
2	A2	1.26 ± 0.02	58 ± 3	10	70	250		145-175	Chappal & Soles			
3	BM-52 III SKS	1.12 ± 0.02	53 ± 3	20	20	100	1.0	140-170	Light weight Rubberised Sole			
4	BM AS 65 NAT/COL	0.60 ± 0.05	65 ± 3	20	25	100	1.0	140-170	Antistatic Type Soles			
		(Foam Density)										
5	BM AIR I NAT	1.23 MAX	53 ± 3	15	30	100		150-200	Light weight Rubberised Sole			
6	BM-AI B-II /BW	1.25 ± 0.03	45 ± 3	10	40	200		140-170	Full Shoes			
7	BM SUPER G-2/3/GF	1.26 ± 0.03	61 ± 3	10	70	200	1.5	140-175	Sports Shoe Sole			
8	BM-99FD	1.27 ± 0.02	60 ± 3	15	50	170	1.2	140-175	Shoes/Soles			
9	BM SUPER WHITE G4	1.21 ± 0.02	60 ± 3	20	50	150	1.5	140-180	Light weight Sports Shoe			
10	BM GS 60 NAT/WH	1.25 ± 0.02	60 ± 3	10	50	150	1.5	145-175	Sports Shoe			
11	5-CH	1.32 ± 0.02	65 ± 3	15	90	280	1.5	145-175	School Shoe / Sole			
12	A-2KH	1.31 ± 0.02	60 ± 3	10	70	200	2.0	140-175	Sports Shoes / Sole			
13	BM -65 WHITE-BT	1.31 ± 0.02	60 ± 3	10	70	200	2.0	140-175	Sole & Shoes			
14	BM ARM 66 WH	1.35 ± 0.02	66 ± 3	10	50	150	2.0	140-175	Perfumery fancy soles			
15	BM-AIR D	1.32 ± 0.02	73 ± 3	20	120	150	1.2	150-180	Sole			
16	BM-68	1.44± 0.02	65 ± 3	25	55	200	2.0	140-175	Sole			

^{*} As per requirement all grades are available in different colours, different hardness and as UV Stabilised. Properties may vary with hardness,

^{*}All grades are also available as per ROHS guidelines, REACh norms and Phthalate free compositions.

The above properties are indicative and represent the values as tested in our laboratories. There is no guarantee / warranty what-so-ever. Suitability of the product for particular application may be verified before use.

EVA											
S.NO.	GRADE	SURFACE FINISH	SPECIFIC GRAVITY	HARDNESS AFTER EXPANSION	EXPANSION @175 ± 3°C PRESSURE 200±5 KG/CM ²	ABRASION RESISTANCE	APPLICATIONS FOOT WEAR				
		_	_	SHORE A	%	MM ³					
		KLJ TM	ASTM D792	ASTM D2240	KLJ TM	ISO 4649					
1	CM-N1		0.25±0.05	43±3	56-58	N.A	Compression Molding				
2	CM-T1		0.25±0.05	43±3 59-61		N.A	Compression Molding				
3	CM-N1 BK DR		0.25±0.05	40±4	51±2	N.A	Compression Molding				
4	KS-N1 BK (P) S2M		0.25±0.05	47±4	38±2	N.A	Injection Molding				
5	KS N1 BK IM (F)		0.25±0.05	43±3	40±2	N.A	Injection Molding				
6	KS-N1	Should be free from	0.25±0.05	48±2	46±2	N.A	Injection Molding				
7	KS-EXPH-1.35	contamination,	0.35±0.05	55-60	32-38	N.A	Injection Molding				
8	KS-EXPH-1.40	hard particles, bubbles & Pin holes	0.25±0.05	55-60	38-46	N.A	Injection Molding				
9	KS-EXPH-1.43	505555 0 1 11 110105	0.25±0.05	55-60	40-47	N.A	Injection Molding				
10	KJ/EXP/R/CM-T1 RUBBERISED		0.25±0.05	20±4	57-63	N.A	Compression Molding				
							/Injection Molding				
11	EVA 5033 BT 5		0.33±0.04	33±4	50±4	<u><</u> 250	Injection Molding Unit Sole				

	TPR												
	PARAMETER	Colour					-	_	Abrasion	Ross Flex- cut growth	Bennewart Flex-cut		
S. No.	GRADE NAME	visual	Specific Gravity	MFI	Hardness	Tensile Strength	Elongation at break	Tear Strength	Resistance	less than 6 mm in 80K cycles	growth less than 6 mm in 30K cycles	Surface look	Application
	Unit		•	gm/10Min	Shore A	Kg/cm ²	%	Kg/cm	mm³				•
	TEST METHOD	KLJ-TM	ASTM D792	ASTM D1238	ASTM D2240	ASTM D412	ASTM D412	ASTM D624	ISO 4649	KLJ INTERNAL	SATRA TM-161		
1	KT-TS7/60		0.92±0.02	≥ 35	60±3	≥ 55	≥ 650	≥ 26	≤ 165	Pass	Pass	Transparent	Footwear Soles
2	SPX-60		0.92±0.02	≥ 50	60±3	≥ 55	≥ 650	≥ 26	≤ 200	Pass	Pass	Transparent	Footwear Soles
3	STR-60		0.92±0.02	≥ 30	60±3	≥ 55	≥ 650	≥ 20	≤ 150	Pass	Pass	Transparent	Footwear Soles
4	C-5/60		0.92±0.02	≥ 35	60±3	≥ 55	≥ 650	≥ 26	≤ 165	Pass	Pass	Shiny	Non Marking Footwear
5	KT-M 15/60		0.98±0.02	≥ 40	60±3	≥ 45	≥ 500	≥ 24	≤ 220	Pass	Pass	Semi Matt	General Purpose Footwear
6	KTL 28/60		0.94±0.02	≥ 50	60±3	≥ 50	≥ 700	≥ 22	≤ 200	Pass	Pass	Translucent	Sports Shoes / Soles
7	KT-L29/60		0.94±0.02	≥ 40	60±3	≥ 60	≥ 600	≥ 22	≤ 200	Pass	Pass	Translucent	Thin & Stitchable Sole
8	KT-L20/60]	0.96±0.02	≥ 35	60±3	≥ 50	≥ 600	≥ 20	≤ 220	Pass	Pass	Translucent	Soles
9	S-6020 HL	std.	0.94±0.02	≥ 35	60±3	≥ 50	≥ 550	≥ 20	≤ 200	Pass	Pass	Translucent	Soles
10	SFC HM-60	# #	0.96±0.02	≥ 30	60±3	≥ 40	≥ 500	≥ 21	≤ 250	Pass	Pass	Matt	High Matt Soles
11	SFC SM-60	- -	0.96±0.02	≥ 30	60±3	≥ 40	≥ 440	≥ 22	≤ 250	Pass	Pass	Semi matt	Semi Matt Soles
12	KT-NM/60	Matc	0.97±0.02	≥ 40	60±3	≥ 50	≥ 550	≥ 25	≤ 230	Pass	Pass	Shiny	Footwear / Non Marking
13	MFH-60	으	0.99±0.02	≥ 20	60±3	≥ 42	≥ 425	≥ 20	≤ 220	Pass	Pass	Semi matt	Footwear Semi Matt
14	KT-M-10/60	Visual To Match with the std.	0.99±0.02	≥ 35	60±3	≥ 35	≥ 450	≥ 22	≤ 240	Pass	Pass	Semi matt	General Soles
15	MFL-60]	0.99±0.02	≥ 40	60±3	≥ 40	≥ 440	≥ 20	≤ 250	Pass	Pass	Shiny	General Soles
16	KT-V-09/60]	1.01±0.02	≥ 35	60±3	≥ 38	≥ 400	≥ 18	≤ 280	Pass	Pass	Shiny	General Soles
17	KLJ BD-60]	1.015±0.02	≥ 35	60±3	≥ 38	≥ 400	≥ 21	≤ 280	Pass	Pass	Shiny	Soles
18	SPO 60	1	1.00±0.02	≥ 35	60±3	≥ 35	≥ 440	≥ 22	≤ 250	Pass	Pass	Shiny	Soles
19	DC A2 60	1	1.00±0.02	≥ 45	60±3	≥ 40	≥ 520	≥ 20	≤ 250	Pass	Pass	Shiny	Soles
20	KT LF 60	1	0.99±0.02	≥ 35	60±3	≥ 45	≥ 560	≥ 22	≤ 200	Pass	Pass	Shiny	Soles
21	KTL 17 60	1	0.98±0.02	≥ 40	60±3	≥ 45	≥ 500	≥ 22	≤ 230	Pass	Pass	Translucent	Soles
22	CLK 60N	1	0.96±0.02	≥ 45	60±3	≥ 45	≥ 600	≥ 24	≤ 200	Pass	Pass	Shiny	Soles
SPECIA	L GRADES												
23	KT-GT/60		0.92±0.02	≥120	60±3	≥ 55	≥ 600	≥ 22	≤ 190	Pass	Pass	Matt Rubber look	Rubberised / High Matt And Dual Matt
24	KT-GE2/60]	0.92±0.02	≥ 40	60±3	≥ 55	≥ 650	≥ 22	≤ 200	Pass	Pass	Matt Rubber look	Rubberised / High Matt And Dual Matt
25	KT-C21/60	1	0.92±0.02	≥ 35	60±3	≥ 55	≥ 650	≥ 24	≤ 240	Pass	Pass	Matt Rubber look	Rubberised / High Matt And Dual Matt
26	FL-70	1	0.92±0.02	≥ 40	70±3	≥ 45	≥ 400	≥ 22	≤ 220	Pass	Pass	Matt	Footwear-dual Matt- Finish Sole
27	KT-C23/60	std.	0.93±0.02	≥ 35	60±3	≥ 60	≥ 650	≥ 27	≤ 240	Pass	Pass	Matt	Thin Sole
28	HT 75	h the	0.92±0.02	≥ 60	75±3	≥ 75	≥ 600	≥ 30	≤ 200	Pass	Pass	Matt	Thin & Stitchable Sole
29	LA 60	i wi	0.94±0.02	≥ 30	60±3	≥ 50	≥ 600	≥ 25	≤ 120	Pass	Pass	Shiny	Low Abrasion Footwear
30	KT I-1/60 WF CORK	Matc	0.96±0.02	NA	60±3	≥ 35	≥ 400	≥ 22	≤ 250	Pass	Pass	Cork look	Footwear Cork
31	KPU 70	Visual To Match with the std	1.06±0.02	≥ 30	70±3	≥ 100	≥ 500	≥ 45	≤ 100	Pass	Pass	Semi matt	Tpu Look, Very Low Abrasion
32	KT FC 6 60		0.60±0.03	≥ 35	60±3	≥ 35	≥ 460	≥ 18	≤ 280	Pass	Pass	Matt	Light Weight Out Sole
33	KT FCM 6 60		0.60±0.03	≥ 25	60±3	≥ 20	≥ 350	≥ 10	≤ 500	NA	NA	Matt	Super Light Mid Sole
34	KTC 86	1	0.99±0.02	30±5	86±2	≥ 50	≥ 600	≥ 25	≤ 225	NA	NA	Semi matt	Shoe Welt
35	KTC 64	1	0.98±0.02	30±5	64±3	≥ 45	≥ 600	≥ 22	≤ 300	NA	NA	Semi matt	Shoe Welt
36	GX 65	1	0.94±0.02	≥ 45	65±3	≥ 50	≥ 650	≥ 24	≤ 200	Pass	Pass		Soles

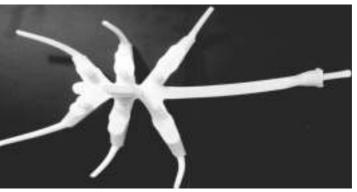
As per requirement all grades are available in different colors and Hardness 40 to 80 Shore A. Properties may vary with change in Hardness. All our TPR grades are REACh Compliant . We are a certified member of SATRA.

	Green Cloud - Lite											
SR. No.	GRADE	FOAM	HARDNESS	THERMAL	TENSILE ELONGATION		ABRASION	PHTHLATE	BENNEWERT FLEX @50000 CYCLE***	RECOMMENDE D PROCESSING TEMP.		
	Units →	g/cc	Nos.	Minutes(min)	Kg/cm² (min)	% (min)	mm3	PPM	mm	°C	APPLICATIONS	
	TEST METHOD →	KLJ TM	ASTM D	IS 5831	ASTM D 638		ISO4649 Type A	KLJ TM	SATRA TM-161			
1	DCN 65 PF NATURAL/COLOUR	0.60 ± 0.05	65±3	50	40	100	450	<100	Pass	150-200	Light Weight, superior surface finish soles Shoe Soles	
2	DC 65 PF NATURAL/COLOUR	0.60 ± 0.05	65±3	50	40	100	N.A	<100	Pass	150-200	Light Weight, superior surface finish solesShoe Soles	
3	DCT 65 300 PF NATURAL/COLOUR	0.60 ± 0.05	65±3	50	40	100	300	<100	Pass	150-200	Light Weight, Abrasion resistance Shoe Soles	
3	DCT 65 200 PF NATURAL/COLOUR	0.60 ± 0.05	65±3	50	40	100	250	<100	Pass	150-200	Light Weight superior surface finish and highly abrasion resistant.	
4	BM-95 EXP DC PF NAT/COL	0.45 ± 0.05	95±3	40		-		<100		140-175	Light Weight High Heel Soles	

- All The values shown are the average values of the lot as tested in our lab and must be taken as a guideline only.
- Foam density & Abrasion results are obtained on a three step sheet of thickness 8 mm and Bennewert flex on sole molded on our lab horizontal molding machine at temperature 160-170. Results may vary from article to article.
 The point/s of injection in sole mold should be 3-7 mm conical shaped and runners to be 10-12 mm round shaped with minimum flow restrictions. Based on thickness and length of sole, number of
- injection points are to be designed, so that there is optimum filling of mold.

- Green cloud vinyl compounds have been developed over the years to be an extremely light material. This is possible due to new revolutionary expanded use of the compound.
- Green cloud vinyl compound is not just light but its microcellular structure gives exceptional characteristics like resistance to prolong stress, flexing, slip and ageing. All Grades are ROHS and REACh compliant

The specifications given are for guidelines only. The compound is designed to run on different machine, however some adjustments may be required on individual machine. There is no guarantee and / or warrantee what so ever, After processing in any case, our liability shall be restricted to the replacement of material in packed condition. Customers are to check the quality, prior to commercial use. All properties are tested as per standards mentioned above. Any data may change without prior information and do not constitute the agreed quality of our compound.





DISCLAIMER: The specifications given for all Footwear Compounds are for guideline only. The compound is designed to run on different machines, however some adjustments may be required on individual machine. There is no guarantee and/or warrantee whatsoever, after processing. In any case, our liability shall be restricted to the replacement of material in packed condition. The customers are advised to check the quality, prior to commercial use. All properties are tested as per standards mentioned above. Any data may change without prior information and do not constitute the agreed quality of our compound.



KLJ Polymers & Chemicals Limited is a member of SATRA for all its Footwear Compounds.





^{*}There is no quarantee / warranty what-so-ever unless mentioned.* Suitability of the product for particular application may be verified before use.

The properties of the compounds are indicative & represent the values as tested in our laboratories. There is no warranty/guarantee whatsoever

The suitability of the particular application may be verified before use.

The above properties are indicative and represent the values as tested in our laboratories. There is no guarantee / warranty whatsoever. Suitability of the product for particular application may be verified before use.