



**GREEN
CLOUD LIGHT**



TPR LIGHT



EVA LIGHT



KLJ GROUP
SINCE 1967



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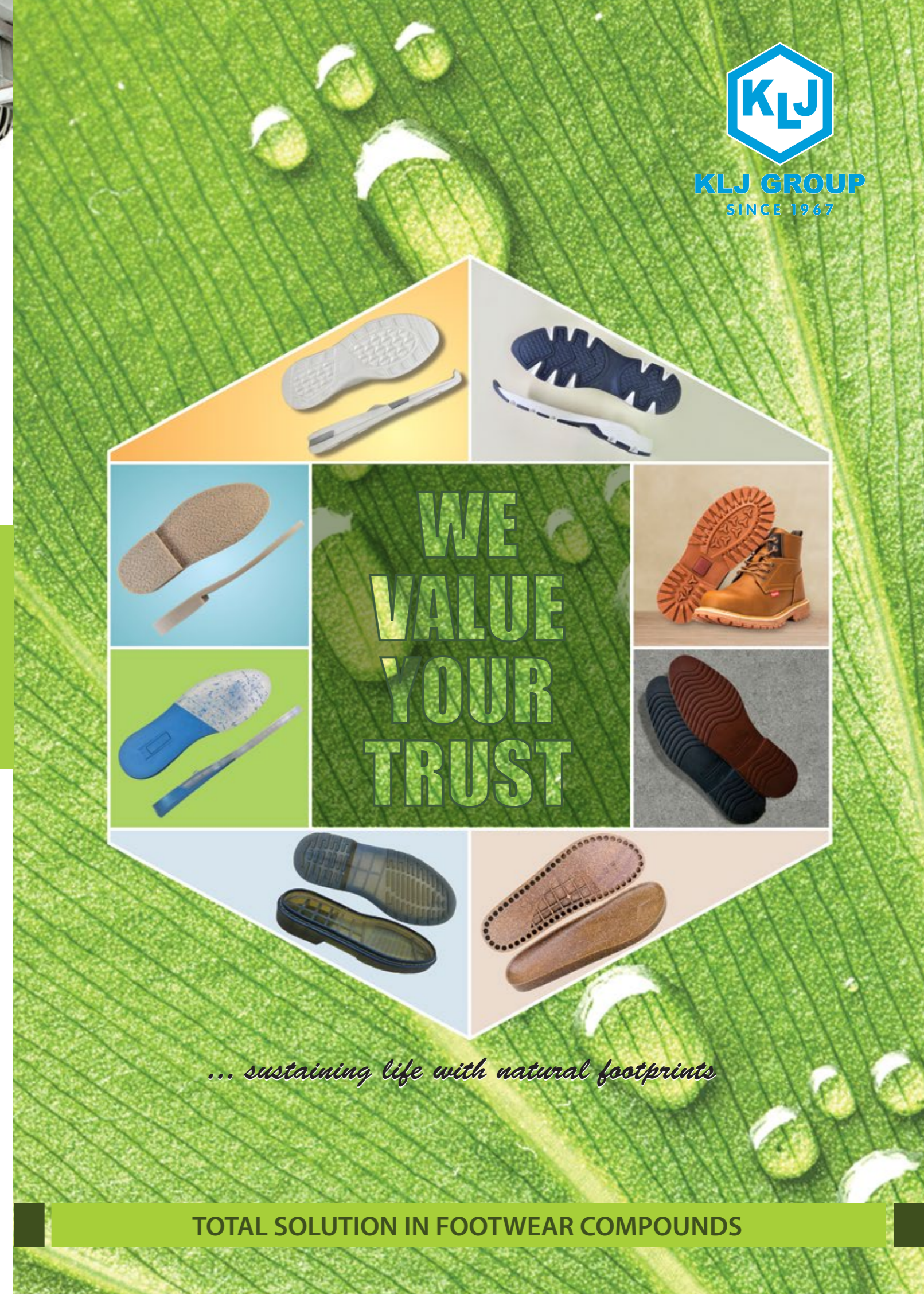
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#23-003/FOOTWEAR/JAN/2023



KLJ GROUP
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**WE
VALUE
YOUR
TRUST**

... sustaining life with natural footprints

TOTAL SOLUTION IN FOOTWEAR COMPOUNDS



World Class Plants strategically located in India with installed capacity of Compounding aggregating over 200,000 tpa.

One Stop Total Solutions provider for all the Footwear & other Compounds need with multi location manufacturing facilities at Silvassa and Agra

COMPLETE RANGE OF FOOTWEAR COMPOUNDS

PVC - Compact, Microlon, Green Cloud (Light Weight), Cork etc.
TPR - Normal, Expandable (Light Weight), Low Abrasion, Cork etc.
TPE - Compact
EVA - Light Weight with Low Abrasion

FOOTWEAR COMPOUND



KLJ VINYL

PVC COMPOUND - COMPACT GRADE

Properties	Specific Gravity	Hardness (Shore A)	Thermal Stability at 200°C	Tensile Strength	Elongation at Break	Volatiles Loss at 1300°C for 3 Hours	Recommended Processing Temperature	Applications
Unit	N/A	Nos.	Minutes (Min.)	Kg/cm ² (Min.)	% (Min.)	% (Max.)	°C	
Test Method	ASTM D 792	ASTM D 2240	IS 5831	ASTM D 638/IS 10810 (Part 7)	% (Min.)	KPCL/QC/WIN-2	---	
Grades								
BT 55 N/AT	1.16 ± 0.02	55 ± 3	30	70	350	1.5	145 - 175	Soles
BT 60 B	1.18 ± 0.02	60 ± 3	25	100	350	1.0	145 - 180	Soles/Chappals
ET 3	1.19 ± 0.02	69 ± 3	20	110	280	0.6	145 - 175	Chappal Straps
ET 5 N	1.17 ± 0.02	55 ± 3	20	75	300	0.6	130 - 160	Chappals/Straps
Q 60 SPL	1.22 ± 0.02	60 ± 3	20	90	350	0.6	145 - 180	Soles
Q 70 SPL	1.23 ± 0.02	70 ± 3	25	90	300	1.5	145 - 180	Soles & Straps
Q 85 SPL	1.24 ± 0.02	85 ± 3	25	120	250	1.5	145 - 180	Soles
BT 60 C	1.23 ± 0.02	60 ± 3	15	90	350	2.0	145 - 175	Soles
BATA II	1.25 ± 0.02	65 ± 3	15	100	375	2.0	145 - 175	Soles
SH 60 NEW	1.25 ± 0.02	65 ± 3	12	100	375	2.5	145 - 180	Soles
ET 3 IR	1.26 ± 0.02	70 ± 3	10	120	300	0.6	145 - 175	Transparent Chappals/ Belly Shoes
AR 55 NB	1.32 ± 0.03	68 ± 3	20	70	300	2.0	145 - 160	Gumboots
S 4 T L	1.28 ± 0.02	65 ± 3	15	60	200	2.0	140 - 180	Transparent Gumboots Soles
S 4 T U	1.25 ± 0.02	60 ± 3	15	60	200	2.0	140 - 180	Transparent Gumboots Uppers
Q 50 F N/AT	1.25 ± 0.03	50 ± 3	30	50	250	1.5	140 - 160	Gumboots
TG 35 M RH	1.12 ± 0.02	35 ± 3	15	20	300	1.0	130 - 160	Gumboots for Low Temp (-20°C)
IQ 55	1.36 ± 0.02	55 ± 3	15	90	350	1.5	145 - 175	Soles

- * Fluorescent & Glitter Compounds are also available
- * As per requirement, all grades are available in different colours, different hardness and UV stabilised. Properties may vary with hardness
- * All grades are also available as per RoHS guidelines, REACH norms and Phthalate free compositions with Antimicrobial & Antifungal properties
- * The above properties are indicative and represent the values as tested in our laboratories
- * There is no guarantee/warranty what-so-ever unless mentioned
- * Suitability of the product for particular application may be verified before use
- * All our PVC grades are 100% recyclable

PVC COMPOUND - FOAM GRADE

Properties	Specific Gravity	Hardness (Shore A)	Thermal Stability at 200°C	Tensile Strength	Elongation at Break	Volatiles Loss at 1300°C for 3 Hours	Recommended Processing Temperature	Applications
Unit	N/A	Nos.	Minutes (Min.)	Kg/cm ² (Min.)	% (Min.)	% (Max.)	°C	
Test Method	ASTM D 792	ASTM D 2240	IS 5831	ASTM D 638/IS 10810 (Part 7)	% (Min.)	KPCL/QC/WIN-2	---	
Grades								
RBM 50 III SXS	1.20 ± 0.02	55 ± 3	20	20	100	1.0	140 - 170	Light Weight Rubbed Soles
RBM 52 III SXS	1.12 ± 0.02	53 ± 3	20	20	100	1.0	140 - 170	Light Weight Rubbed Soles
BM AS 65	0.60 ± 0.05 (Foam Density)	65 ± 3	20	25	100	1.0	140 - 170	Antistatic Soles
BM AIR I	1.23 (Max.)	53 ± 3	15	30	100	2.0	150 - 200	Light Weight Rubbed Sole
BM AIR II	1.25 ± 0.03	45 ± 3	10	40	200	2.0	140 - 170	Full Shoes
BM SUPER G 2/GF	1.26 ± 0.03	61 ± 3	10	70	200	1.5	140 - 175	Sports Shoe Sole
BM 55 KCD	1.26 ± 0.02	60 ± 3	20	50	150	1.0	145 - 170	Chappals & Soles
BM 99F (D)	1.27 ± 0.02	60 ± 3	15	50	170	1.2	140 - 175	Shoes/Soles
BM 50 B	1.29 ± 0.02	68 ± 3	20	70	200	2.0	145 - 175	Chappals & Soles
BM SUPER G 4	1.21 ± 0.02	60 ± 3	20	50	150	1.5	140 - 180	Light Weight Sports Shoe
BM GS 60	1.25 ± 0.02	60 ± 3	10	50	150	1.5	145 - 175	Sports Shoes
S CH	1.32 ± 0.02	65 ± 3	15	90	280	1.5	145 - 175	School Shoes/Soles
S CH 55	1.35 ± 0.02	55 ± 3	15	50	200	1.5	145 - 175	Cho-Cho Kids Soles
A 2XH	1.31 ± 0.02	60 ± 3	10	70	200	2.0	140 - 175	Sports Shoes/Soles
BM 65 BT	1.31 ± 0.02	60 ± 3	10	70	200	2.0	140 - 175	Soles & Shoes
BM AIR D	1.32 ± 0.02	73 ± 3	20	120	150	1.2	150 - 180	Soles
BM 68	1.44 ± 0.02	65 ± 3	25	55	200	2.0	140 - 175	Soles
BM ARM 66	1.35 ± 0.02	65 ± 3	10	50	150	2.0	140 - 170	Bubble Gummer Flavoured Kids Soles

- * 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 with Antimicrobial & Antifungal properties
- * The above properties are indicative and represent the values as tested in our laboratories
- * There is no guarantee/warranty what-so-ever unless mentioned
- * Suitability of the product for particular application may be verified before use
- * All our PVC grades are 100% recyclable

KLJ VA

EVA COMPOUND

Properties	Surface Finish	Specific Gravity	Hardness after Expansion (Shore A)	Expansion at 175 ± 3°C Pressure 200 ± 5 Kg/cm ²	Abrasion Resistance	Applications
Unit	N/A	N/A		%	mm3	
Test Method	KLJ TM	ASTM D792	ASTM D2240	KLJ TM	ISO 4649	
Grades						
CM N1	Should be free from contamination, finer particles, bubbles & pinholes	0.25 ± 0.05	43 ± 3	56 - 58	N/A	Chappals & Sandals - Compression Moulding
CM T1		0.25 ± 0.05	43 ± 3	59 - 61	N/A	Chappals & Sandals - Compression Moulding
CM N1 BK DR		0.25 ± 0.05	40 ± 4	51 ± 2	N/A	Chappals & Sandals - Compression Moulding
KS N1 BK (P) S2M		0.25 ± 0.05	47 ± 4	38 ± 2	N/A	Chappals & Soles - Injection Moulding
KS N1 BK IM (P)		0.25 ± 0.05	43 ± 3	40 ± 2	N/A	Chappals & Soles - Injection Moulding
KS N1		0.25 ± 0.05	48 ± 2	46 ± 2	N/A	Chappals & Soles - Injection Moulding
KS EXPH 1.35		0.35 ± 0.05	55 - 60	32 - 38	N/A	Chappals & Soles - Injection Moulding
KS EXPH 1.40		0.25 ± 0.05	55 - 60	38 - 46	N/A	Chappals & Soles - Injection Moulding
KS EXPH 1.43		0.25 ± 0.05	55 - 60	40 - 47	N/A	Chappals & Soles - Injection Moulding
KJ/EXP/R/CM T1 RUBBERISED		0.25 ± 0.05	20 ± 4	57 - 63	N/A	Chappals, Sandals & Soles - Compression Moulding/Injection Moulding
EVA 5033 BT 5		0.33 ± 0.04	33 ± 4	50 ± 4	≤ 250	Unit Sole - Injection Moulding
EVA YM 1.9 20 P O2		0.15 ± 0.05	35 ± 5	71 - 75	N/A	Yoga Matt, Compression Molding
EVA YM 1.9 20 P O2 ECO		0.15 ± 0.05	30 ± 5	80 ± 5	N/A	Yoga Matt, Compression Molding

As per requirement all grades are available in different colours, hardness and expansion. 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. All our EVA grades are also available in REACH & RoHS

KLJ FLEX

TPR COMPOUND

Properties	Colour	Specific Gravity	MFI	Hardness (Shore A)	Tensile Strength	Elongation at Break	Tear Strength	Abrasion Resistance	Ross Flex-cut growth less than 6 mm in 80K cycles	Bennewert Flex-cut growth less than 6 mm in 30K cycles	Surface Look	Applications
Unit	Visual											
Test Method	-	-	gm/10Min		Kg/cm2	%	Kg/cm	mm3	-	-		
Grades	KLJ TM	ASTM D792	ASTM D1238	ASTM D2240	ASTM D412	ASTM D624	ISO 4649	KLJ INTERNAL	SATRA TM 161			
SPX 60	Visual to match with the std.	0.92 ± 0.02	≥ 50	60±3	≥ 55	≥ 60	≥ 26	≤ 200	Pass	Pass	Transparent	Footwear Soles
STR 60		0.92 ± 0.02	≥ 30	60±3	≥ 55	≥ 60	≥ 20	≤ 150	Pass	Pass	Transparent	Footwear Soles
KT M 15/60		0.98 ± 0.02	≥ 40	60±3	≥ 45	≥ 50	≥ 24	≤ 220	Pass	Pass	Semi Matt	General Purpose Footwear
KT L 28/60		0.94 ± 0.02	≥ 50	60±3	≥ 50	≥ 70	≥ 22	≤ 200	Pass	Pass	Translucent	Sports Shoes/Footwear Soles
KT L 29/60		0.94 ± 0.02	≥ 40	60±3	≥ 60	≥ 60	≥ 22	≤ 200	Pass	Pass	Translucent	Thin & Stitchable Footwear Soles
KT L 20/60		0.96 ± 0.02	≥ 35	60±3	≥ 50	≥ 60	≥ 20	≤ 220	Pass	Pass	Translucent	Footwear Soles
S 6020 HL		0.94 ± 0.02	≥ 35	60±3	≥ 50	≥ 50	≥ 20	≤ 200	Pass	Pass	Translucent	Footwear Soles
SFC HM 60		0.96 ± 0.02	≥ 30	60±3	≥ 40	≥ 50	≥ 21	≤ 250	Pass	Pass	Matt	High Matt Footwear Soles
SFC SM 60		0.96 ± 0.02	≥ 30	60±3	≥ 40	≥ 40	≥ 22	≤ 250	Pass	Pass	Semi Matt	Semi Matt Footwear Soles
KT NM/60		0.97 ± 0.02	≥ 40	60±3	≥ 50	≥ 50	≥ 25	≤ 230	Pass	Pass	Shiny	Footwear/Non Marking
MFH 60		0.99 ± 0.02	≥ 20	60±3	≥ 42	≥ 42	≥ 20	≤ 220	Pass	Pass	Semi Matt	Footwear Semi Matt
KT M 10/60		0.99 ± 0.02	≥ 35	60±3	≥ 35	≥ 40	≥ 22	≤ 240	Pass	Pass	Semi Matt	General Footwear Soles
MFL 60		0.99 ± 0.02	≥ 40	60±3	≥ 40	≥ 40	≥ 20	≤ 250	Pass	Pass	Shiny	General Footwear Soles
KT V 09/60		1.01 ± 0.02	≥ 35	60±3	≥ 38	≥ 40	≥ 18	≤ 280	Pass	Pass	Shiny	General Footwear Soles
KT L 80 60		1.015 ± 0.02	≥ 35	60±3	≥ 38	≥ 40	≥ 21	≤ 280	Pass	Pass	Shiny	Footwear Soles
SPO 60		1.00 ± 0.02	≥ 35	60±3	≥ 35	≥ 40	≥ 22	≤ 250	Pass	Pass	Shiny	Footwear Soles
DC A2 60		1.00 ± 0.02	≥ 45	60±3	≥ 40	≥ 50	≥ 20	≤ 250	Pass	Pass	Shiny	Footwear Soles
KT LF 60		0.99 ± 0.02	≥ 35	60±3	≥ 45	≥ 50	≥ 22	≤ 200	Pass	Pass	Shiny	Footwear Soles
KT L 17 60		0.98 ± 0.02	≥ 40	60±3	≥ 45	≥ 50	≥ 22	≤ 230	Pass	Pass	Translucent	Footwear Soles
CLK 60N		0.96 ± 0.02	≥ 45	60±3	≥ 45	≥ 60	≥ 24	≤ 200	Pass	Pass	Shiny	Footwear Soles

SPECIAL GRADES

KT GT/60	Visual to match with the std.	0.92 ± 0.02	≥ 120	60 ± 3	≥ 55	≥ 60	≥ 22	≤ 190	Pass	Pass	Matty Rubber Look	Rubberised/High Matt & Dual Matt
KT GE2/60		0.92 ± 0.02	≥ 40	60 ± 3	≥ 55	≥ 60	≥ 22	≤ 200	Pass	Pass	Matty Rubber Look	Rubberised/High Matt & Dual Matt
KT C1/60		0.92 ± 0.02	≥ 35	60 ± 3	≥ 55	≥ 60	≥ 24	≤ 240	Pass	Pass	Matty Rubber Look	Rubberised/High Matt & Dual Matt
KTC 26 65		0.90 ± 0.02	≥ 30	65 ± 3	≥ 50	≥ 50	≥ 24	≤ 150	Pass	Pass	Rubbery Look	Rubberised/High Matt & Dual Matt
FL 70		0.92 ± 0.02	≥ 40	70 ± 3	≥ 45	≥ 40	≥ 22	≤ 220	Pass	Pass	Matt	Footwear Dual Matt Finish Soles
KT C23/60		0.93 ± 0.02	≥ 35	60 ± 3	≥ 60	≥ 60	≥ 27	≤ 240	Pass	Pass	Matt	Thin Footwear Soles
HT 75		0.92 ± 0.02	≥ 60	75 ± 3	≥ 75	≥ 60	≥ 30	≤ 200	Pass	Pass	Matt	Thin & Stitchable Footwear Soles
LA 60		0.94 ± 0.02	≥ 30	60 ± 3	≥ 50	≥ 60	≥ 25	≤ 170	Pass	Pass	Shiny	Low Abrasion Footwear
KT I 160 WF CORK		0.96 ± 0.02	N/A	60 ± 3	≥ 35	≥ 40	≥ 22	≤ 250	Pass	Pass	Cork Look	Footwear Cork
KT FC LLW 6		0.60 ± 0.03	≥ 35	60 ± 3	≥ 35	≥ 40	≥ 18	≤ 280	Pass	Pass	Matt	Light Weight Expanded Footwear Soles
KT FCM 6		0.60 ± 0.03	≥ 25	60 ± 3	≥ 20	≥ 30	≥ 10	≤ 500	N/A	N/A	Matt	Medium Light Weight Expanded Mid Footwear Soles
KT FC LLW 5		0.60 ± 0.03	≥ 80	60 ± 3	≥ 20	≥ 30	≥ 12	≤ 300	Pass	Pass	Matt	Superlight Weight Footwear Soles
DC FCM 7		0.75 ± 0.03	≥ 60	60 ± 3	≥ 25	≥ 30	≥ 13	≤ 350	N/A	N/A	Matt	Medium Light Weight Footwear Soles
KTC 86		0.99 ± 0.02	30 ± 5	86 ± 2	≥ 50	≥ 60	≥ 25	≤ 225	N/A	N/A	Semi Matt	Shoe Welt
KTC 64		0.98 ± 0.02	30 ± 5	64 ± 3	≥ 45	≥ 60	≥ 22	≤ 300	N/A	N/A	Semi Matt	Shoe Welt
GK 65		0.94 ± 0.02	≥ 45	65 ± 3	≥ 50	≥ 60	≥ 24	≤ 200				