

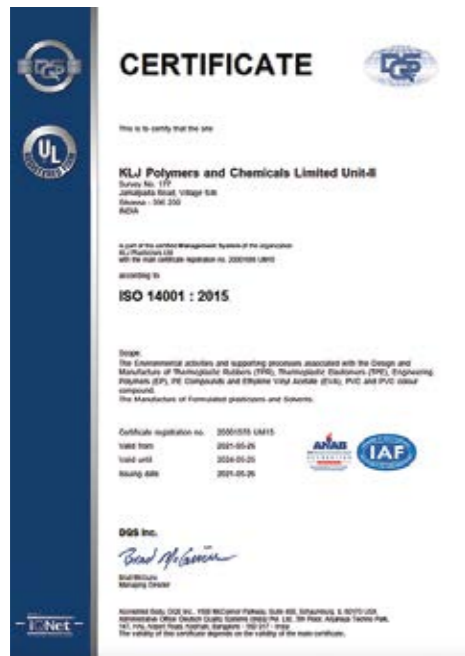
QUALITY CONTROL FOR BETTER SAFETY

For materials with such wide-ranging applications, highest standards must be adopted at all level manufacturing process. Thus, at KLJ, we go the extra mile to ensure highest quality standards and add latest innovations in our products. Stringent quality tests are being conducted following best industry standards at our 55,000 sq ft state-of-the-art R&D facility that enables latest Development & Product Innovations.

- Our laboratories are certified to comply with ISO/IEC 17025:2017 by NABL
- R&D infrastructure is accredited by Dept. of Scientific & Industrial Research (DSIR), Govt. of India.
- Production process is certified by ISO 9001:2015 (Quality Management System for manufacturing facility)
- Our PVC/TPE Compounds are made under standard procedure and offers consistency of formulation.



CERTIFICATIONS



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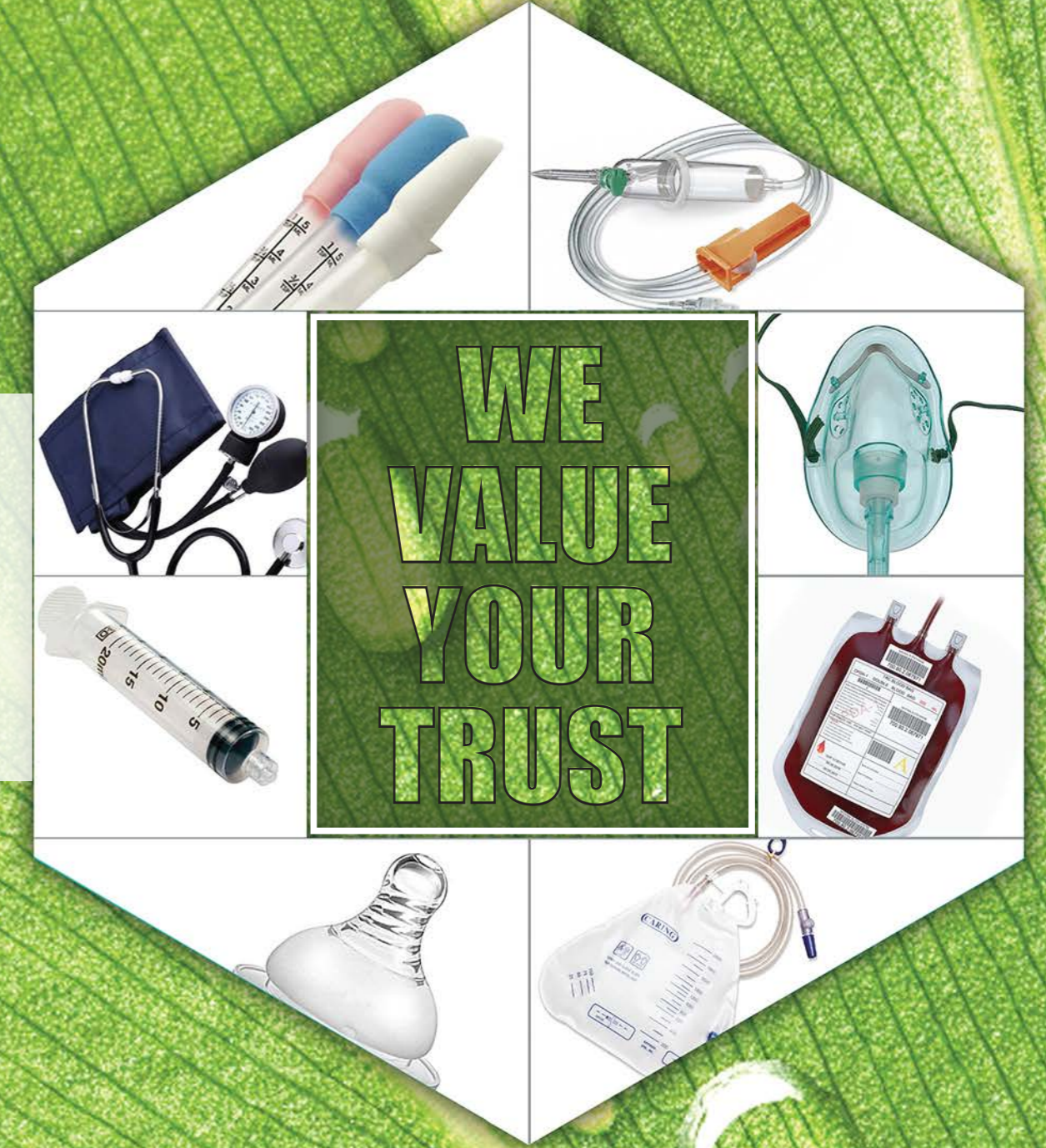
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TRUST BUILT ON PERFORMANCE



KLJ Group



WE VALUE YOUR TRUST

... sustaining life with natural footprints

TOTAL SOLUTIONS IN MEDICAL COMPOUNDS

PRODUCT DATA SHEET

PVC COMPOUNDS - MEDICAL & FOOD [NON TOXIC]

SR. NO.	GRADE	COLOUR	SPECIFIC GRAVITY	HARDNESS [SHORE A]	THERMAL STABILITY	TENSILE STRENGTH @200°C	ELONGATION AT BREAK	VOLUME RESISTIVITY	IZOD IMPACT STRENGTH	RECOMMENDED	APPLICATION
SR.	UNIT =====	-	-	NOS	Minutes [Min]	KG/CM ² [Min]	% [MN]	OHM-CM	ASTM D 256	°C	
	TEST METHOD ===	VISUAL	ASTM D 792	ASTM D 2240	IS-5831	ASTM D 638/ IS 10801 [Part-7]	ASTM D 638/ IS 10801 [Part-7]	ASTM D-4325	KGf CM/CM	-	
1	TFG-40M	Translucent	1.14 ± 0.02	40 ± 3	15	30	300	N/A	N/A	135 - 155	Transparent Molding/ Nipples
2	TFG-40M	Translucent	1.12 ± 0.02	35 ± 3	25	50	450	N/A	N/A	135 - 155	Frosted Molding / Nipples
3	TFG-TUBE-60 E	Transparent	1.18 ± 0.02	60 ± 3	15	100	350	N/A	N/A	130 - 160	Tubing
4	TFG - 55R	Translucent	1.18 ± 0.02	57 ± 3	15	90	350	N/A	N/A	135 - 155	Tubing & Molding
5	TFG - 55 NP	Transparent/ Colours	1.16 ± 0.02	55 ± 3	15	50	300	N/A	N/A	120 - 150	Nasal Prong Connector
6	TFG-2/TFG-2W	Translucent/ Opaque	1.19 ± 0.02	65 ± 3	10	100	350	N/A	N/A	135 - 155	Cap Liners
7	TFG - 50 Black	Black	1.20 ± 0.02	55 ± 3	15	90	350	N/A	N/A	135 - 150	Moulding / Syringe Gaskets
8	TFG 75 M	Transparent	1.22 ± 0.02	75 ± 3	15	140	360	N/A	N/A	130 - 160	Kids / Adult Respiratory Mask
9	TFG 80 SF BL/CM	Transparent	1.23 ± 0.02	80 ± 3	15	150	350	N/A	N/A	130 - 160	Odour-Less Kids/Adult Respiratory Mask
10	TFG 80 SF CM	Transparent	1.23 ± 0.02	80 ± 3	15	150	350	N/A	N/A	130 - 160	Safety Goggle Frame
11	TFG 75 BBT 03	Transparent	1.22 ± 0.02	78 ± 3	15	150	320	N/A	N/A	150 - 180	Blood Bags
12	TFG 80 BBM	Transparent	1.22 ± 0.02	75 ± 3	15	150	350	N/A	N/A	150 - 180	IV Sets Connector
13	TFG 70 BBF	Transparent	1.22± 0.02	67 ± 3	15	120	350	N/A	N/A	150 - 180	IV Set Tube / BT Tubes / Catheters / Nasogastric Feeding Tube / Star Lumen Tube
14	TFG-70 EA	Transparent	1.20 ± 0.02	70 ± 3	15	120	350	N/A	N/A	130 - 150	Bloodline Tubing
15	TFG-75 / 80 / 85 E	Transparent	1.22± 0.02	75 ± 3	15	140	360	N/A	N/A	130 - 150	Infusion Range Tubing
16	TFG-70 E D2A	Transparent	1.20 ± 0.02	73 ± 3	15	120	350	N/A	N/A	130 - 150	Dialysis Catheter
17	TFG-90 RD	Transparent	1.26 ± 0.02	90 ± 3	15	175	220	N/A	N/A	140 - 180	Drip Chamber
18	TFG-78 XRD-300 [M]	Light Pink	2.03 ± 0.03	75 ± 3	15	40	200	N/A	N/A	13 - 160	Radio Opaque Tubing
19	TFG-100 B	Transparent	1.31 ± 0.02	100 ± 3	15	275	200	N/A	N/A	155 - 180	Yankur Handle Tip.
20	TFG R 100 E	Transparent	1.35 ± 0.02	78 ± 3	15	N/A	N/A	N/A	N/A	155 - 180	Crepe Bandage Jar
21	TFG D 80 SB	Transparent	1.35 ± 0.02	78 ± 3	15 Shore-D	450	N/A	N/A	>2.5	130 - 160	M V Cylinder/Small Bottles for Medical Disposable Packaging
22	TFG D 80 BB	Transparent	1.32 ± 0.02	80 ± 3 Shore-D	15	N/A	N/A	N/A	>6	130 - 160	Urine Bottle
23	TFG BBL 03 TPT	Transparent	1.32± 0.02	80 ± 3 Shore-D	15	N/A	N/A	N/A	>6	130 - 160	Chest Drain Bottle
24	TFG 85 CON BK	Black	1.30 ± 0.03	88 ± 3	30	40	100	<25	N/A	130 - 150	ESD Drain/Suction Tubing

- * All Grades conform to various Indian Standards and Biological tests as prescribed under USP Class - VI and ISO 10993.
- * All Grades conform to Physico-Chemical test as prescribed in ISO - 3826 - 1:2013.
- * All Compounds are Manufactured under clean room facility and therefore compounds are free from all sorts of contamination.
- * As per requirement grades are available in different colours, different hardness and UV Stabilised. Properties may vary with hardness.
- * 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 laboratory.
- * There is no guarantee / warranty what-so-ever.
- * Suitability of the product for particular application may be verified before use.

PRODUCT DATA SHEET

TPE COMPOUNDS - MEDICAL GRADES

SR. NO.	GRADE	COLOUR	SPECIFIC GRAVITY	HARDNESS [SHORE A]	MFI	TENSILE STRENGTH	ELONGATION AT BREAK	TEAR STRENGTH	APPLICATION
	UNIT====	VISUAL		Nos.	GM/10 MIN.	KG/CM ²	%	KG/CM	
	TEST METHOD====	KLJ-TM	ASTM D792	ASTM D2240	ASTM D1238	ASTM D412	ASTM D412	ASTM D624	
1	SS 1005 NAT	Transparent	0.88±0.02	3±2	≥ 200	≥ 5	≥ 500	NA	Menstrual Cup
2	SS 1005 GC	Transparent	0.88±0.02	3±2	≥ 100	≥ 10	≥ 750	NA	Gel Compound
3	SA 2145 TV BK	Black	0.95±0.02	55±3	≥ 3	≥ 27	≥ 400	NA	Medicine Dropper Tube
4	SS 2155 UD BK	Black	0.98±0.02	55±3	≥ 15	≥ 30	≥ 550	NA	Medicine Dropper Tube
5	SS 2155 ISG SPL	Black	1.01±0.02	55±3	≥ 2	≥ 40	≥ 450	≥ 20	Syringe Gasket
6	SS 2155 ISG SPL GN 02	Green	1.01±0.02	55±3	≥ 2	≥ 40	≥ 450	≥ 20	Syringe Gasket
7	SS 1160 PB GN	Green	1.00±0.02	60±3	≥ 2	≥ 40	≥ 400	≥ 20	Syringe Gasket
8	SS 2160 BK	Black	1.00±0.02	60±3	≥ 2	≥ 40	≥ 400	≥ 15	Syringe Gasket
9	SS 2165 BK	Black	1.00±0.02	62±3	≥ 2	≥ 40	≥ 400	≥ 15	Syringe Gasket
10	SS 1160 PB GN	Green	0.99±0.02	60±3	≥ 2	≥ 40	≥ 500	≥ 15	Syringe Gasket
11	SS 2160 LL BK	Black	1.04±0.02	63±2	≥ 1	≥ 40	≥ 400	≥ 15	Syringe Gasket

KLJ Medical Grade TPE Compounds:

- Strict formulation and raw material control
- Made with only FDA listed food grade ingredients
- Biocompatible compliant
- REACH ROHS (no heavy metals) and Proposition 65 compliant
- Does not contain Phthalates, PVC, BPA and Latex
- Free of animal-derived materials [ADM-free]
- Manufactured in ISO-13485 certified facilities ensuring security of supply

KLJ Medical Grade PVC Compounds:

- KLJ Polymers has been supplying medical grade PVC compound to the healthcare industry for over the last 40 years. Our compounds find use in a variety of medical devices for molding and extrusion applications. KLJ has non-DEHP, non-phthalate, and FDA-approved compounds. Our compounds conform to USP Class VI requirements and ISO-13485 standards.
- Strict formulation and raw material control
 - Biocompatible compliant
 - REACH RoHS (no heavy metals) and Proposition 65 compliant

Total Solutions for Medical Disposables

