



KLJ GROUP
SINCE 1967

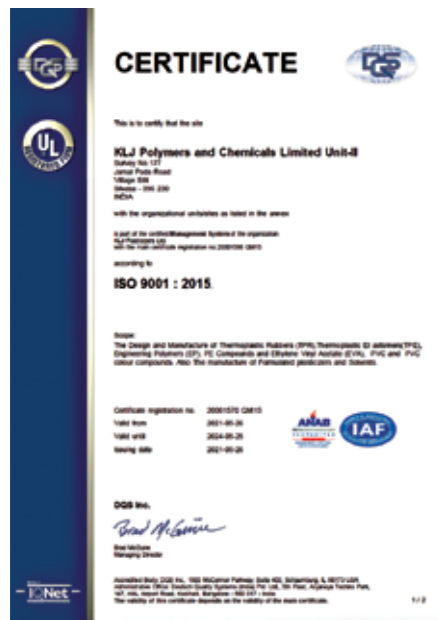


QUALITY CONTROL FOR BETTER SAFETY

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) & ISO 13485:2016 Medical Device Quality Management System (MDQMS).
- Our PVC/TPE Compounds are made under standard procedure and offers consistency of formulation.

CERTIFICATIONS



KLJ GROUP
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... sustaining life with natural footprints

TOTAL SOLUTION IN MEDICAL COMPOUNDS

KLJ VINYL

PVC COMPOUND

Properties	Colour	Specific Gravity	Hardness (Shore A)	Thermal Stability at 200°C	Tensile Strength	Elongation at Break	Volume Resistivity	Izod Impact Strength	Volatile Loss at 130°C for 3 Hours	Recommended Processing Temperature	Applications	
Unit	---	---	Nos.	Minutes (Min.)	Kg/cm2 (Min.)	% (Min.)	Ohm-cm	Kg cm/cm	% (Max.)	°C		
Test Method	Visual	ASTM D 792	ASTM D 2240	IS 5831	ASTM D 638/IS 10810 (Part 7)	ASTM D 638/IS 10810 (Part 7)	ASTM D 4325	ASTM D 256	KPCL/QCD/WIN-2	---		
Grade												
TFG 47 M	Translucent	1.12 ± 0.02	35 ± 3	25	50	450	N/A	N/A	0.75	135 - 155	Moulding/Nipples	
TFG 45 S	Transparent	1.15 ± 0.02	50 ± 3	15	50	400	N/A	N/A	0.75	130 - 155	Moulding/Nipples	
TFG TUBE 60 E	Transparent	1.18 ± 0.02	60 ± 3	15	100	350	N/A	N/A	0.75	130 - 160	Tubing	
TFG 55 R	Translucent	1.18 ± 0.02	57 ± 3	15	90	350	N/A	N/A	0.75	135 - 155	Tubing & Molding	
TFG 55 NP	Transparent/Colors	1.16 ± 0.02	55 ± 3	15	50	300	N/A	N/A	0.75	120 - 150	Nasal Prong Connector	
TFG 2/TFG 2 W	Translucent/Opaque	1.19 ± 0.02	65 ± 3	10	100	350	N/A	N/A	0.75	135 - 155	Cap Liners	
TFG 50 BLACK	Black	1.20 ± 0.02	55 ± 3	15	90	350	N/A	N/A	0.75	135 - 150	Moulding/Syringe Gaskets	
TFG 80 SF CM/BL	Transparent	1.23 ± 0.02	80 ± 3	15	150	350	N/A	N/A	0.5	130 - 160	Odourless Kids/Adult Respiratory Mask/Safety Goggles Frame	
TFG 75 BBT 03	Transparent	1.22 ± 0.02	78 ± 3	15	150	320	N/A	N/A	0.75	150 - 180	Blood Bags	
TFG 80 BBM	Transparent	1.22 ± 0.02	75 ± 3	15	150	350	N/A	N/A	0.75	150 - 180	I.V. Sets Connector	
TFG 70 BBF	Transparent	1.22 ± 0.02	67 ± 3	15	120	350	N/A	N/A	0.75	150 - 180		
TFG 70 EA	Transparent	1.20 ± 0.02	70 ± 3	15	120	350	N/A	N/A	0.75	130 - 150	IV Set Tube/ BT Tubes/Catheters/Naso gastric Feeding Tube/Star Lumen Tube	
TFG 75 E	Transparent	1.22 ± 0.02	75 ± 3	15	140	360	N/A	N/A	0.75	130 - 150		
TFG 80 E	Transparent	1.23 ± 0.02	80 ± 3	15	150	350	N/A	N/A	0.75	130 - 150		
TFG 85 E	Transparent	1.23 ± 0.02	85 ± 3	15	160	250	N/A	N/A	0.75	130 - 150		
TFG 70E D2A	Transparent	1.20 ± 0.02	72 ± 3	15	120	350	N/A	N/A	0.75	130 - 150	Endo Tracheal Tube/Hepparin Tube	
TFG 68E D2A	Transparent	1.19 ± 0.02	68 ± 3	15	100	350	N/A	N/A	0.75	130 - 150	AVF Tubing	
TFG 67E PS SPL	Transparent	1.19 ± 0.02	68 ± 3	15	130	400	N/A	N/A	0.75	130 - 150	Pump Segment Tubing	
TFG 65E PS	Transparent	1.19 ± 0.02	65 ± 3	15	130	400	N/A	N/A	0.75	130 - 150	Cuff Tube	
TFG 90 RD	Transparent	1.26 ± 0.02	90 ± 3	15	175	220	N/A	N/A	0.5	140 - 180	Blood Chamber/Drip Chamber	
TFG 78 XRD 300 (M)	Light pink	2.03 ± 0.03	75 ± 3	15	40	200	N/A	N/A	1	130 - 160	Radio Opaque Tubing	
TFG 100 B	Transparent	1.31 ± 0.02	100 ± 3	15	275	200	N/A	N/A	0.5	155 - 180	Yankar Handle Tubing	
TFG D 80 SB	Transparent	1.35 ± 0.02	78 ± 3 (Shore D)	15	450	N/A	N/A	N/A	>2.5	130 - 160	M V Cylinder/Small Bottles for Medical Disposal Packaging	
TFG D 80 BB	Transparent	1.32 ± 0.02	80 ± 3 (Shore D)	15	N/A	N/A	N/A	N/A	>6	0.5	130 - 160	Urine Bottle
TFG BBL 03 TPT	Transparent	1.32 ± 0.02	80 ± 3 (Shore D)	15	N/A	N/A	N/A	N/A	>6	0.5	130 - 160	Chest Drain Bottle
TFG 85 CON BK	Black	1.30 ± 0.03	88 ± 3	30	40	100	<25	N/A	1	130 - 150	Conductive Drain Tubing	
TFG SRD 80 TPT	Transparent	1.32 ± 0.02	80 ± 3 (Shore D)	15	N/A	N/A	N/A	N/A	>6	0.5	130 - 160	Leur Lock Connector

* 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 all grades are available in different colours, different hardness, UV stabilised, Antimicrobial, Antifungal & Antifogging 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 laboratory
 * There is no guarantee/warranty what-so-ever
 * Suitability of the product for particular application may be verified before use

KLJ FLEX

TPE COMPOUND

Properties	Colour	Specific Gravity	Hardness (Shore A)	MFI	Tensile Strength	Elongation at Break	Tear Strength	Applications
Unit	Visual		Nos.	Gm/10 (Min.)	Kg/Cm	%	Kg/Cm	
Test Method	KLJ TM	ASTM D792	ASTM D2240	ASTM D1238	ASTM D412	ASTM D412	ASTM D624	
Grades								
SS 1005 NAT	Transparent	0.88 ± 0.02	3 ± 2	≥200	≥5	≥500	NA	Menstrual Cup
SS 1005 GC	Transparent	0.88 ± 0.02	3 ± 2	≥100	≥10	≥750	NA	Orthopedic Feet Gel
SA 2145 TV BK	Black	0.95 ± 0.02	55 ± 3	≥3	≥27	≥400	NA	Medicine Dropper Bulb
SS 2155 UD BK	Black	0.98 ± 0.02	55 ± 3	≥15	≥30	≥550	NA	Medicine Dropper Bulb
SS 2155 1SG SPL	Black	1.01 ± 0.02	55 ± 3	≥2	≥40	≥450	≥20	Syringe Gasket
SS 2155 1SG SPL GN 02	Green	1.01 ± 0.02	55 ± 3	≥2	≥40	≥450	≥20	Syringe Gasket
SS 1160 PB GN	Green	1.00 ± 0.02	60 ± 3	≥2	≥40	≥400	≥20	Syringe Gasket
SS 2160 BK	Black	1.00 ± 0.02	60 ± 3	≥2	≥40	≥400	≥15	Syringe Gasket
SS 2165 BK	Black	1.00 ± 0.02	62 ± 3	≥2	≥40	≥400	≥15	Syringe Gasket
SS 1160 PB GN	Green	0.99 ± 0.02	60 ± 3	≥2	≥40	≥500	≥15	Syringe Gasket
SS 2160 LL BK	Black	1.04 ± 0.02	63 ± 2	≥1	≥40	≥400	≥15	Syringe Gasket
SS 2155 LL BK	Black	1.01 ± 0.02	55 ± 3	≥1	≥40	≥400	≥20	Syringe Gasket
SS 2165 BK LS	Black	1.04 ± 0.02	70 ± 3	≥1	≥40	≥400	≥20	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 Compounds 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 ISO13485 standards.
- Strict formulation and raw material control
 - Biocompatible compliant
 - REACH & RoHS compliance
 - Proposition 65 compliance
 - Free of Heavy Metals, BPA and Latex
 - ISO 13485 certified facilities

Total Solution for Medical Disposables

