HTL Ltd.®

POLYMER COMPOUNDING SOLUTIONS

FOR, **SHEATHING**, **BUFFERING**, AND **INSULATION** IN CABLE INDUSTRY

ABOUT US

MANUFACTURING
EXCELLENCE

HTL's state-of-the-art plant is equipped with fully automated polymer compounding lines that can cater to high production requirements arising from both domestic and global markets. Our team's three-decade-long polymer know-how combined with our sourcing competence enables us to provide high-quality polymer compounds, which are the product of choice for cable manufacturers worldwide that demand the highest quality, durability, and safety standards.
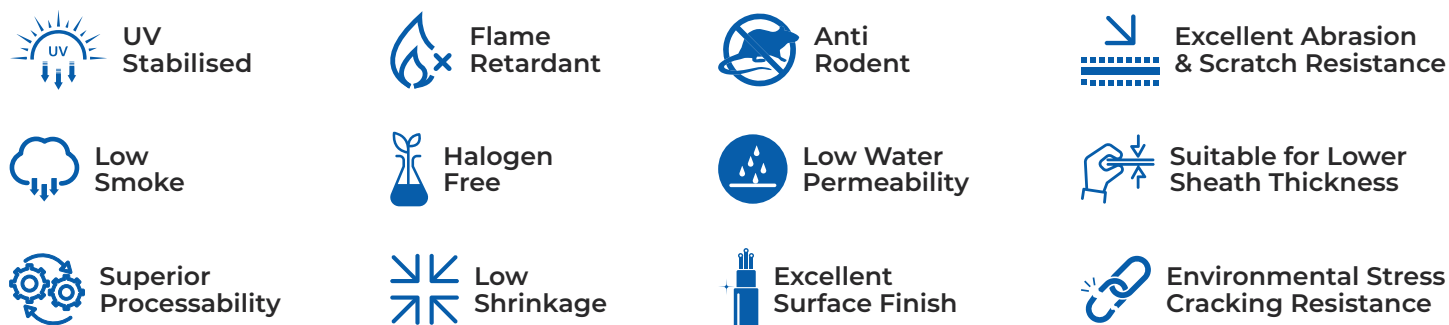
PRODUCT
INNOVATION

HTL boasts of an application-specific product portfolio tailor-made based on cable manufacturers' requirements with verified quality at the virgin material level. Our team of domain experts along with R&D engineers are continuously evaluating new material formulations to address the evolving market needs and specialized requirements of our diverse clientele. At HTL, our vision is to be the preferred supplier of compounding solutions with the highest quality, which the global and domestic cable manufacturers have come to expect from HTL.

ZERO DEFECT
QUALITY

At HTL, we manufacture different polymer compounds (HDPE, MDPE, LSZH/ZHFR) of various grades that meet the specific technical requirements for sheathing of wires & cables as desired by our customers. Our team's technical & application expertise supported by our state-of-the-art production & testing facilities provides us with the required flexibility to provide polymer compounds that are designed for best performance in fiber-optic applications. At HTL, we undertake stringent quality checks, and the processes put in ensure zero defect supplies in all our shipments.

SALIENT FEATURES

- UV Stabilised
- Flame Retardant
- Anti Rodent
- Excellent Abrasion & Scratch Resistance
- Low Smoke
- Halogen Free
- Low Water Permeability
- Suitable for Lower Sheath Thickness
- Superior Processability
- Low Shrinkage
- Excellent Surface Finish
- Environmental Stress Cracking Resistance

TECHNICAL SPECIFICATIONS

HDPE & MDPE COMPOUNDS

RoHS   REACH COMPLIANT

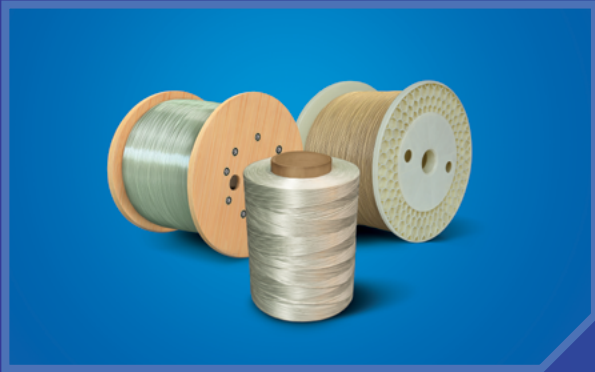| Product	Grade Name	Colour	MFI	Density	Tensile Strength	Elongation at Break	OIT	ESCR	UV	End Application
	Unit		gm/10min	gm/cc	kg/mm²	%	Minutes	1000 hours	4000 hours	
	Test Method		ASTM D 1238	ASTM D 792	ASTM D 638	ASTM D 638	ASTM D 3895	ASTM D 1693	ASTM G 154	
HDPE	HD01	Black	0.51	0.950	2.3	900	40	Pass	Pass	Jacketing for OFC Cable UV & AT (Anti Termite)
	HD51	Natural	0.45	0.950	2.3	900	40	Pass	Pass	Stripe for OFC Cable UV & AT (Anti Termite)
	HD51	*Coloured	0.55	0.950	2.3	900	40	Pass	Pass	Jacketing & Stripe for OFC Cable UV & AT (Anti Termite)
HDPE Low Shrinkage	HD11	Black	0.31	0.952	2.5	950	50	Pass	Pass	Jacketing for OFC/Micro/Airblown Cable UV
	HD12 LS	Natural	0.3	0.952	2.5	950	50	Pass	Pass	Jacketing for OFC/Micro/Airblown Cable UV
	HD15 AS	Black	0.31	0.952	2.5	950	50	Pass	Pass	Jacketing for OFC cable with Lower Thickness
MDPE	MD01	Black	0.45	0.939	2.4	900	50	Pass	Pass	Sheathing/Jacket for OFC Cable

*Available in colours such as Orange, Green, Violet, Aqua, Blue, Red, Yellow, White, Slate, and as per customer specifications

LSZH COMPOUNDS

RoHS   REACH COMPLIANT

Grade Name	Colour	MFI	Density	Tensile Strength	Elongation at Break	Limited Oxygen Index	Smoke Density	Hardness	Tear Strength	End Application
Unit		gm/10min	gm/cc	kg/mm²	%	%	%	Shore D	N/mm	
Test Method		ASTM D 1238	ASTM D 792	ASTM D 638	ASTM D 638	ASTM D 2863	ASTM D 2843	ASTM D 2240	BS6469/ D 470	
LS01	Black	6	1.46	1.2	225	32	6	52	8	Drop Cable/ FTTH
LS02	White	7	1.47	1.2	220	32	6	52	8	Drop Cable/ FTTH
LS04	Orange	6.5	1.46	1.2	232	32	6	52	8	Drop Cable/ FTTH
LS07	Aqua	5	1.47	1.2	212	32	6	52	8	Drop Cable/ FTTH
LS20	Yellow	6	1.46	1.2	230	32	6	52	8	Drop Cable/ FTTH
LS36	Black	6.5	1.48	1.2	210	35	5	52	6	Cable Jacketing
LS37	Natural	5.8	1.48	1.2	210	35	5	52	6	Cable Jacketing
LS37	Blue	6	1.48	1.2	210	35	5	52	6	Cable Jacketing

OTHER BUSINESS VERTICALS

**CABLE
REINFORCEMENT SOLUTIONS**

**OPTICAL
FIBER CABLES**

**FIBER & COPPER
TELECOM ACCESSORIES**

**WIRING HARNESSES FOR
AEROSPACE & AUTOMOTIVE**

› GET IN TOUCH

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