

# MLS CHEMPOLY LLP

Innovative Chemicals & Sustainable Polymers



PVC COMPOUNDS

PE COMPOUNDS

COLOR MB

AR/AT MB

# About us

**MLS Chempoly LLP** is actively engaged in the manufacturing of **Recycled, GRS-compliant, Sustainable, and Eco-friendly Polymer Compounds for Wire & Cable Industry**. This initiative reflects the company's commitment to promoting a circular economy and reducing environmental impact through responsible material innovation. Leveraging advanced compounding technology and stringent quality systems, MLS Chempoly LLP produces high-performance materials that meet global sustainability standards while maintaining superior mechanical and aesthetic properties.

Company is also engaged in

- **Color Masterbatch of PVC & Polyethylene**
- **Universal Masterbatch for Anti-Rodent, Anti-Termite properties**

With focus on innovation, certification, compliance, and long-term sustainability, MLS Chempoly LLP continues to strengthen its position as a forward-looking player in the supply chain of Wire & Cable Industry.

## PVC Compound - ST2

Sr. No.	Properties	Unit	Test Method	ST-2	ST-2 FR
1	Color	-	Visual	Black / Grey	Black / Grey
2	Sp. Gravity	-	ASTM D 792	1.55±0.03	1.58±0.03
3	Hardness	Nos.	ASTM D 2240	92±0.03	94±0.03
4	Thermal Stability	Minutes	IS 5831	100 Min.	100 Min.
5	Tensile Strength at Break	N/mm <sup>2</sup>	IS 10810	12.50 Min.	12.50 Min.
6	Elongation at Break	%	IS 10810	200 Min.	200 Min.
7	LOI	%	ASTM D 2863	N.A.	29 Min.



## HDPE Compound for Cable Jacketing

Sr. No.	Properties	Unit	Test Method	Specification
1	Density	g/cc	ASTM D 1505	0.95 - 0.98
2	MFI (190°C, 2.16 Kg)	g/10 Min.	ASTM D 1238	≤0.75
3	Carbon Black Content	%	IS 10810 P 32	2.50±0.03
4	Carbon Black Content	Visual	IS 7328-1992	Uniform Dispersion
5	Tensile Strength at Break	MPA	ASTM D 638	≥13.50
6	Elongation at Break	%	ASTM D 638	≥450
7	Volume Resistivity	Ohm-cm	ASTM D 257	≥10 <sup>13</sup>
8	Moisture Content	%	ASTM D 817	≤0.50

## PVC Color Masterbatch

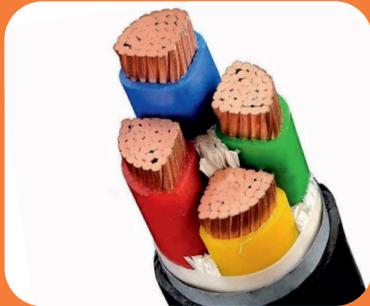
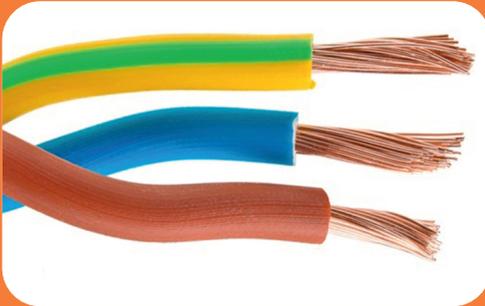
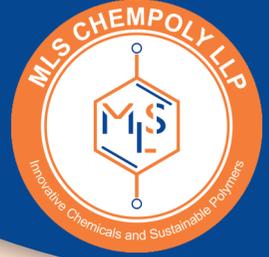
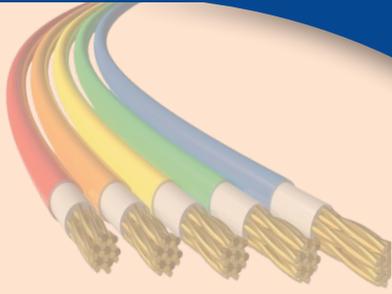
Sr. No.	Properties	Unit	Test Method	PVC MB (Black)	PVC MB (Colored)
1	Color	-	Visual	Black	Color
2	Sp. Gravity	-	ASTM D 792	1.52±0.03	1.50±0.03
3	Hardness	Nos.	ASTM D 2240	92±0.03	88±0.03
4	Thermal Stability	Minutes (Min.)	IS:5831	40	40
5	Tensile Strength	Mpa (Min.)	ASTM D 638	12.5	12.5
6	Elongation at Break	% Min.	ASTM D 638	150	150
7	Dosage	%	-	1-2	2-3

## PE Color Masterbatch

Sr. No.	Properties	Unit	Test Method	PE MB (Black)	PE MB (Colored)
1	Color	-	Visual	Black	Color
2	Sp. Gravity	-	ASTM D 792	1.57±0.03	1.50±0.03
3	MFI (190°C, 2.16 Kg)	gm/10min	ASTM D 1238	6 ~ 10	6 ~ 10
4	Moisture Content	%	ISO 15512	≤0.5	≤0.5
5	Carbon Content	%	IS 10810 P 32	45±2	N.A.
6	Dosage	%	-	5	0.5-2.0

## Universal Anti-Rodent/Anti-Termite Masterbatch

Sr. No.	Properties	Unit	Test Method	AR/AT MB
1	Color	-	Visual	Natural
2	Sp. Gravity	-	ASTM D 792	0.95±0.02
3	MFI (190°C, 2.16 Kg)	gm/10min	ASTM D 1238	4
4	Moisture Content	%	ISO 15512	≤0.5
5	Dosage	%	-	0.5 - 2.0



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