

# Cable Protection & Harness Tubes

PVC & PP Compounds



## About Us

Bihani is a leading Compounds & Masterbatches producer based in India but with a formidable domestic as well as International clientele. Working closely with Global majors has allowed us to develop product portfolios based on international specifications as well as undertake customized developments.

Our products are designed to meet stringent operational conditions and internal specifications of Auto Companies & their Wire Harness OEMs. International compliances to specifications such as JIS 6771 as well as portfolios of International leaders in this field.

Backed with strong integrity towards its customers, Bihani works independently with market leading companies engaged in Automotives, as a strategic team player and in utmost confidence. We at Bihani believe that our products & our portfolio allows us to be a strategic arm of any company which aspires for product Quality & Reliability.

### Strengths & Strategic Advantages

- Over 30 Years of deliverance
- Manufacturing & Services
- Net Processing/Trading 40000 Mt/A
- Bihani Group Enterprise
- Recipients of 2 National Awards
- Comprehensive Product Portfolio

### The Bihani Advantage

#### Your Strategic Partner

- Established suppliers of Compounds to Leading Automotive Wire Companies Globally
- State of Art R & D Facilities to develop products
- Customized recipes and developments
- Automatic machines sourced from reputed global brands including Coperion, Century & Brabender
- International Compliances including REACH & ROHS
- Online Product Testing facility available to ensure Consistency
- LSCM trained to work on JIT ensuring Inventory Control at Customer end
- 24x7 Customer Support
- Global Reach with distributors & representatives in Asia Pacific, MENA, Africa, Latin America and North America
- Competitive Pricing
- ISO 9001:2000 & ISO 14000 Certified
- Product Assured with Quality, Consistently- Every Time



**PVC Compound for Vinyl Tubes**

► PVC Based

Grade	Specific Gravity	Shore A Hardness	Tensile Strength	Elongation	Thermal Stability at 200°C	Temp Rating	Cold Bend Resistance	Application
	ASTM D 792	ASTM D 2240	ASTM D 412	ASTM D 412	DIN-EN-60811-3-2			
		ShoreA	Mpa	%	Minutes	Deg C	Deg C	
BM 51 VT	1.38	93-96	18	220	140	85	20	Heat resistant PVC for jacketing of Galvanized steel tubes
BM 28 (WC)	1.40	90-93	18	250	100	70	15	Smooth finish PVC for jacketing of Hard PVC/ Steel Spring
BM 20 S	1.48	80-85	16	250	75	70	15	Smooth finish PVC Compound for VT
BM 50	1.36	90-95	18	180	120	105	30	PVC compound for VT insulating electrical leads
BM 63 YB-VTO	1.40	80-85	17	300	100	100	40	Oil and Acid/ Alkali resistant PVC Compound for VT
BM VTB	1.45	80-85	16	175	60	80	20	Flame Retardant PVC Compound for jacketing of Galvanized steel
BM VOB	1.45	80-85	16	175	60	70	40	PVC Compound with Flame retardance, Heat resistance and Oil Resistance
BM 63 YB-VTG	1.35	95-98	22	220	240	105	40	Oil & Grease resistant compound for performance in aggravated conditions
BM 6LF	1.50	80-85	15	300	30	70	10	JIS K 6771 Compliant PVC Compound for Vinyl Tubes
BM 9SSLF	1.45	85-90	13.5	275	60	70	10	JIS K 6771 Compliant PVC Compound for Vinyl Tubes
BM 10LF	1.37	80-85	16	150	100	70	10	JIS K 6771 Compliant PVC Compound for Vinyl Tubes
BM TZV	1.35	75-80	14	250	40	70	25 (40)	Very Flexible Transparent Vinyl tubes for wire Harness

**Flame Retardant Heat Resistant Polypropylene**

► Polypropylene

Test	Conditions	Unit	Minimum Values
Tensile Strength	ASTM D 638	Mpa	27.5
Tensile Strength after 120 Hours @ 80°C		Mpa	26
Tensile Strength after oil resistance test @ 50°C		Mpa	26
Elongation		%	600
Elongation after 120 Hours @ 80°C		%	480
Elongation after oil resistance test @ 50°C		%	480
Impact Resistance	Normal		No deformation breakage or crack detrimental to use
Cold Resistance	(-)40°C for 24 Hours		No deformation breakage or crack detrimental to use
LOI	ASTM D 2863	%	> 23.5
Flame Retardant	V 0	Sec	The flame shall go out naturally within 15secs after burning
Gasoline Resistance	Room temperature for 2 hours	-	No deformation breakage or crack detrimental to use
Deformation under Heat	80 ± 2°C for 24 Hours	-	Dimensional allowed change 10% max
Compression Load Resistance	Normal	-	No deformation breakage or crack detrimental to use
Heat Ageing	135 ± 2°C for 100 Hours on Tube	-	No deformation breakage or crack detrimental to use

- Typical Applications :**
- Cars and heavy trucks
  - Body section and near the engine
  - For subsequent assembly



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