

Responsive, Fast, Transparent & Team player

PVC High Flame Retardant Compounds

Compliant



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.

Bihani is approved suppliers of world leading Wire & Cable producing companies which have products to meet various International standards & specifications calling for increased Flame retardance through decreased flame propagation thereby shifting focus from Result of Fire to Reaction of Fire

Our compounds meet the stringent Flammability demands of aggravated tests including NFPA 262 Steiner Tunnel, UL 1666, UL 1581, CSA FT-4 & IEC- 60332-3

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 UL 1666 Riser Applications

▶ CL2R, CL3R, CMR

Specific Gravity ±0.03	Shore D Hardness	Tensile Strength	Elongation	Thermal Stability at 200°C	Temp Rating	Cold Bend Resistance
ASTM D 792	ASTM D 2240	ASTM D 412	ASTM D 412	DIN-EN-60811-3-2		
	Shore D	Mpa	%	Minutes	Deg C	Deg C
1.55	50-53	>15	>200	>200	80	-15

Bihani Grade: BM 116A/116B

PVC Compound to meet NFPA 262/FT6

▶ CL2P, CL3P, CMP

Specific Gravity ±0.03	Shore D Hardness	Tensile Strength	Elongation	Thermal Stability at 200°C	Temp Rating	Cold Bend Resistance
ASTM D 792	ASTM D 2240	ASTM D 412	ASTM D 412	DIN-EN-60811-3-2		
	Shore D	Mpa	%	Minutes	Deg C	Deg C
1.59	65-68	>18	>175	>200	80	-15

Bihani Grade: BM 1000P

PVC Compound for Electrical Wires, Cables & Flexible Cords

▶ UL 1581 Class 43, UL 62 & UL 758

Features	Unit	60°C	70°C	90°C	105°C
BIHANI Grade		BM 2038P	BM2039P	BMHRFR110	BMHRFR111
Tensile strength	Mpa	10.3	10.3	10.3	10.3
Elongation at break	%	100	100	100	100
Cold bend (4 Hours)	°C	-20	-20	-20	-15
Flame test		V0	V0	V0	V0
Aging Temperature	°C	100	100	121	136
Aging Duration	Hours	168	240	168	168
TS Retention	%	85	70	85	85
Elongation Retention	%	65	65	65	65
Oil Resistance Test	°C	60	60	60	60
OR Test Duration	Hours	168	168	168	168
TS Retention	%	75	75	75	75
Elongation Retention	%	75	75	75	75

Complies to:



Various variants of these grades are available depending on the size of the cable. Therefore it is prudent to advise the size category for which the compound is being purchased

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