

Ahead of the Curve®



- ROHS
- REACH
- PHTHALATE FREE

EXPLORE THE POSSIBILITIES PVC COMPOUNDS

Bihani is amongst the more significant compounding companies in the cable industry globally working closely with Industry leaders for wire & cable applications.

www.bihanigroup.com



About Chopanki, Bhiwadi

55 kms from delhi airport towards Jaipur on India's main highway NH8
Japanese & Korean Zones

Amongst india's most respected industrial & investment zones covers:

- > Bhiwadi
- > Khushkhera
- > Neemrana
- > Bawal

Now in
Rajkot
Vapi, Pardi
Gujarat



Our Clients



Compounds Complying with IS 694/IS 5831

ROHS & REACH Options available for each Grade

Grade	Density (S)	T.S.	Elongation	Hardness	Thermal
Insulation Grades	±0.03	N/mm2	%	ShoreA	Minutes
OF1	1.35	15	300	80	150
BM28C	1.45	20	260	92	120
BM28	1.50	16	250	92	120
BM20	1.58	15	250	92	120
BM116	1.55	16	250	92	100
BM002	1.38	23	250	96	130
BM-FR111	1.50	17	250	92	125
BM-FR110	1.52	16	250	90	120
BM120 FR	1.55	16	250	90	100
BM-K21	1.28	23	250	90	130
BM-K24	1.38	20	250	90	100
BM51 HR 85	1.38	18	250	92	175
BM-50 HR105	1.36	18	250	92	180
BM50 HT SPL	1.36	18	250	92	200
BM-51 HRFR	1.42	18	250	90	150
HRFR-105	1.38	17	250	90	160
BM- TYPE D	1.48	17	300	87	160
BM23 Skin	1.30	20	250	90	120
BM K-11 L/F SPL Skin	1.28	19.45	275	90	130
BM K-11 SPL Skin	1.30	21.02	275	90	150
BM K-07 Skin	1.24	19.67	320	86	60
Automotive Grades					
BM-AV	1.48	17	250	90	120
BM-AVS	1.42	18	250	94	225
BM-AVSS	1.38	19	250	92	200
FLRY -B	1.40	19	250	92	225
BM178/1	1.39	20	250	95	220
BM-T3 (75)	1.35	20	250	94	250

All automotive grades comply with latest ROHS and REACH regulations and as per ISO 6722, JASO D608 and/or JISC 3406

Grade	Density (S)	T.S.	Elongation	Hardness	Thermal
Sheathing Grades	±0.03	N/mm2	%	ShoreA	Minutes
BM20SS H	1.48	15	250	88	120
BM20S	1.48	16	275	87	120
BM09	1.50	15	300	80	85
BM-F1	1.50	16	300	85	130
BM-F4	1.53	15	250	85	135
BM16C (ST1)	1.53	15	300	88	120
BM-005 (ST2)	1.55	15	250	90	130
BM-ST3	1.44	16	320	83	135
FR-LSH GRADES					
FR-LSH 101	1.58	15	220	95	125
FR-LSH 503	1.55	15.5	230	95	125
FR-LSH 506	1.50	15.5	220	95	150
FR-LSH 508	1.53	16.5	255	94	170
FRL-LSH -325A	1.49	15	220	92	160
FRL-LSH -325B	1.49	15	220	92	160
FRL-LSH -325 SHEATHING	1.52	15	230	92	160
FRL-LSH -103 LF	1.48	15	225	95	150
International Grades					
Complying with EN 50290-21/22 DIN VDE 0207, UL, IEC 60502-1 ROHS & REACH					
BM 200	1.46	17	250	93	150
BM 500	1.48	14	260	90	80
BM 700	1.39	12	320	78	50
BM 1100 Insulating	1.36	21	270	98	300
BM 1400 UL Wire	1.31	22	300	95	200
BM 1500 FR Sheath	1.50	17	250	90	90
BM 4200 FR Sheath	1.46	17	300	93	300
BM 5200 FR LSH Sheath	1.58	14	250	94	250
BM 6100 Insulation	1.36	24	270	98	150
BM 7200 Sheath	1.44	16	280	85	140

- **LIMITING OXYGEN INDEX OF ALL FR-LSH COMPOUND IS GREATER THAN 30%**
- **SMOKE DENSITY OF ALL FR-LSH COMPOUND IS LESS THAN 60%**
- **CONTENTS OF HCL IN ALL GRADES IS LESS THAN 20%**

The technical information contained here in is, to the best of our knowledge, believed to be accurate. However, Bihani Group and its subsidiaries makes no guarantee or warranty, and does not assume any liability, with respect to the accuracy or completeness of such information. Suitability of material for a specific final end use is the sole responsibility of the user. The data contained here in are typical properties only and are not be used as specifications.

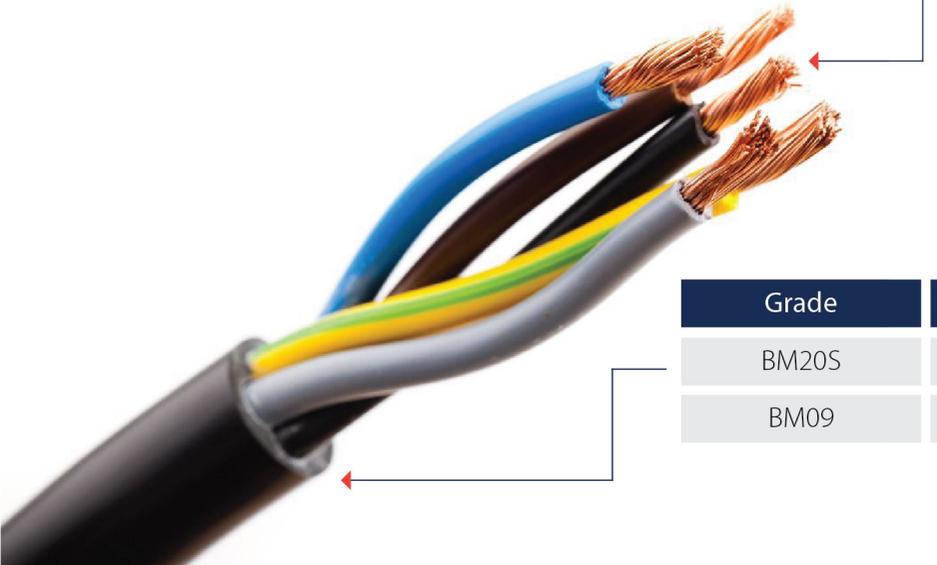
Grade	Specific Gravity	Hardness	Th. Stability	T.S	EB	VR	LOI	SDR
		(Shore A)	(Minutes)	N/mm2	%	Ohm-cm	%	%
Power Cord & Sheathing Compound								
BM 05 ST1 REACH	1.47	86	220	14.0	250	-	-	-
BM 05 ST1 REACH WHITE	1.50	85	220	14.0	250	-	-	-
BM 05 ST1 REACH BLACK	1.50	90	220	15.0	250	-	-	-
BM ST1 80 D REACH	1.42	86	300	15.5	250	-	-	-
BM ST1 REACH 9016	1.50	83	220	14.0	250	-	-	-
BM 06 ST1 REACH WHITE	1.50	85	220	14.0	250	-	-	-
BM 06 ST1 REACH ULTRA WHITE	1.49	86	220	14.0	250	-	-	-
BM 08 LG GREY REACH	1.45	85	400	14.0	250	-	-	-
BM 08 ST1 FR REACH	1.50	86	300	14.0	250	-	-	-
BM 07 ST1 REACH WHITE	1.50	85	300	14.0	250	-	-	-
BM 07 ST1 REACH ULTRA WHITE	1.50	88	220	14.5	250	-	-	-
BM 2036 REACH	1.45	86	300	14.0	250	-	-	-
BM NB 70	1.30	70	220	14.0	400	-	-	-
BM ST2 UV	1.45	80	300	14.0	300	-	-	-
BM 10TT	1.50	87	120	16.5	300	1.0X10 ¹⁴	-	-
Charging Cable								
BM 08 ST1 REACH ULTRA WHITE	1.50	86	300	14.0	250	-	-	-
BM 2036 REACH WHITE	1.50	87	300	14.0	250	-	-	-
BM MT 80	1.50	85	400	14.0	250	-	-	-
BM 105 SOFT BLACK	1.35	88	250	16.5	250	5.0X10 ¹³	-	-
UI Grade & Insulation Grade								
BM 105	1.38	93	220	17.0	250	1.0X10 ¹⁴	-	-
BM 178/1 REACH	1.38	95	250	17.0	250	1.0X10 ¹⁴	-	-
BM 178/1 ARAT REACH	1.38	95	250	18.0	250	1.0X10 ¹⁴	-	-
BM 28 TYPE A REACH	1.45	91	200	16.0	250	1.0X10 ¹⁴	-	-
BM 105 BS REACH	1.40	94	300	17.0	250	1.0X10 ¹⁴	-	-
BM 105 D TYPE A REACH	1.40	90	300	17.0	250	1.0X10 ¹⁴	-	-
BM FR 1666	1.50	97	250	16.0	250	1.0X10 ¹⁴	40	38.0%
BM 114 LF D	1.50	90	160	16.0	250	1.0X10 ¹⁴	-	-
BM 114 LF HV	1.50	90	200	17.0	250	1.0X10 ¹⁵	-	-



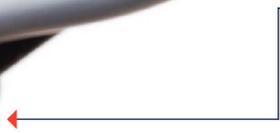
Grade	Application	Density
F1	ST-1 Sheathing	1.50
BM-ST1	ST-1 Sheathing	1.55
BM-05 (ST1)	ST-1 Sheathing	1.52



Grade	Application	Density
BM 28	Type A Insulation	1.50
BM20 SPL	Type A Insulation	1.55
BM116	Type A Insulation	1.56



Grade	Application	Density
BM20S	Gloss Sheathing	1.48
BM09	Gloss Sheathing	1.50



Grade	Application	Density	LOI
FR111	Type A FR Compound	1.50	>30.0
FR110	Type A FR Compound	1.54	>30.0
FR111 MD	Type A FR Compound	1.45	>30.5

Grade	Application	Density
BM23	Skin Compound with high gloss & slip	1.30
BM-K11 LF SPL	Skin Compound	1.26
BM-K11 SPL	Skin Compound	1.28
BM-K07	Skin Compound	1.24



Ring formation, Metallic Sound, High Output, High Gloss, Low surface resistance on scrubbing



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GROUP**



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