

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.

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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%**

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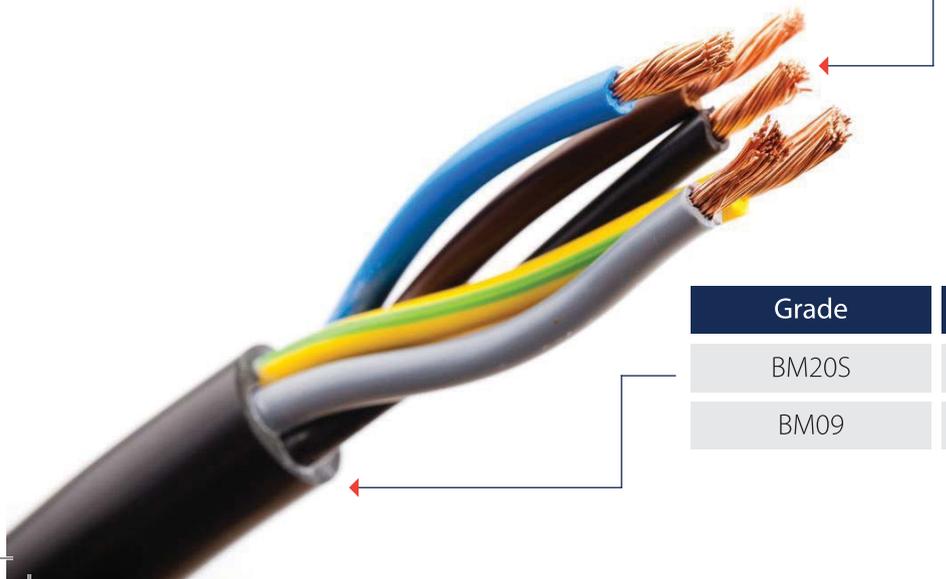
| Grade | Specific Gravity | Hardness | Th. Stability | T.S | EB | VR | LOI | SDR |
|--|------------------|-----------|---------------|-------|-----|----------------------|-----|-------|
| | | (Shore A) | (Minutes) | N/mm2 | % | Ohm-cm | % | % |
| Power Cord & Sheathing Compound | | | | | | | | |
| BM 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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®

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