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**Test results: Polymer Modified Bitumen (PMB) designated as PMB 40 (E)**

(Supplied by M/s Jainidhi Bitumen specialities Pvt Ltd, Kolkata letter No: 739/M/2009-10 dt. 30.12.2009)

| S No | Name of the Test  | Test Results for PMB<br>(Designated as PMB 40) | IS 15462- 2004<br>Specification |
|------|---|--|---------------------------------|
| 1    | Penetration at 25 °C, 0.1mm, 100g, 5 sec                                    | 46   | 30 to 50                        |
| 2    | Softening Point (Ring and Ball), °C, min                                    | 67   | 60                              |
| 3    | Ductility @27 °C, cm  | 70+  | +50                             |
| 4    | Flash point (COC), min  | 260+   | 220                             |
| 5    | Elastic recovery of half thread in ductilometer at 15 °C, percent, min      | 75   | 75                              |
| 6    | Separation, difference in softening point (Ring and Ball), °C, max          | 3  | 3                               |
| 7    | Viscosity at 150 °C, Poise  | 5.7  | 3-9                             |
| 8    | Thin film over tests and tests on residue                                   |  |                                 |
|      | (i) Loss in mass, percent, max  | 0.74   | 1.0                             |
|      | (ii) Increase in Softening Point, °C, max                                   | 2.0  | 5.0                             |
|      | (iii) Reduction in penetration of residue, 25 °C, percent, max              | 23.9   | 35.0                            |
|      | (iv) Elastic recovery of half thread in ductilometer at 15 °C, percent, min | 75   | 50                              |

  
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