

**Basic Material Data of Mastic used in our HDPE Heat Shrink Pipes**

The product type of our mastic is a Paving Grade Bitumen.

|                                         | ASTM Norm  | Unit                 | Mastic                                                   |
|-----------------------------------------|------------|----------------------|----------------------------------------------------------|
| <b>Properties</b>                       |            |                      |                                                          |
| Density                                 | D 70       | [g/cm <sup>3</sup> ] | 1,02                                                     |
| Flash Point(PM)                         | EN 22719   | °C                   | >200                                                     |
| Autoignition temperature                |            | °C                   | >300                                                     |
| Penetration at 25°C                     | EN 1426    | mm/10                | 300                                                      |
| Softening point                         | EN 1427    | °C                   | 35                                                       |
|                                         |            |                      |                                                          |
| <b>Properties after Ageing</b>          |            |                      |                                                          |
| Mass change                             | EN 12607-3 | %                    | 1,0                                                      |
| Rest penetration                        | EN 1426    | %                    | 35,0                                                     |
| Softening point                         | EN 1427    | °C                   | 35                                                       |
|                                         |            |                      |                                                          |
| <b>Other Properties and Resistances</b> |            |                      |                                                          |
| Physical State                          |            |                      | Solid at ambient temperature                             |
| Form                                    |            |                      | Liquid at normal handling temperatures                   |
| Colour                                  |            |                      | black                                                    |
| Dilute Acids & Bases                    |            |                      | Good                                                     |
| Vapour pressure                         |            |                      | Negligible at ambient temperatures                       |
| Water solubility                        |            |                      | Insoluble                                                |
| Electrical Conductivity                 |            |                      | Insulating                                               |
| Hygroscopic                             |            |                      | Non hygroscopic                                          |
| Weather Resistance                      |            |                      | Good                                                     |
|                                         |            |                      |                                                          |
| <b>MSDS Classification</b>              |            |                      | Not classified as hazardous. No statutory label required |
| UN No                                   |            |                      | 3257                                                     |
| IMDG/ARD                                | class      |                      | 9                                                        |