

## Technical data sheet

### Matrox<sup>®</sup>, Black, Anti-Static, UV-Stabilized

#### Product characteristics

- High Abrasion & Wear Resistance
- Low surface friction
- Corrosion resistant

#### Typical field of application

- Chute and hopper liners
- Rail liners
- Bucket & Shovel Liners

| Physical Properties                        | tested method | unit              | value                   |
|--------------------------------------------|---------------|-------------------|-------------------------|
| Specific Gravity                           | D792          | g/cm <sup>3</sup> | 0.93                    |
| Water Absorption                           | D570          | %                 | ≤ 0.01                  |
| Mechanical Properties                      | tested method | unit              | value                   |
| Hardness                                   | D785          | Shore D           | 63                      |
| Tensile Strength at yield 73 °F            | D638          | psi               | 2,900                   |
| Tensile Modulus                            | D638          | psi               | 84,000                  |
| Elongation at Break                        | D638          | %                 | ≥200                    |
| Izod Impact, Notched                       | D256          | ft-lb/in          | No Break                |
| Wear resistance                            | Sand Slurry   | -                 | 80                      |
| Thermal properties                         | tested method | unit              | value                   |
| CTE, linear                                | D696          | °F                | 1.11 x 10 <sup>-4</sup> |
| Melting Point                              | D3418         | °F                | 275                     |
| Maximum Service Temperature, Air permanent | -             | °F                | 176                     |
| Deflection Temperature at 1.8Mpa (264psi)  | D648          | °F                | 174                     |
| Flammability, UL94                         | -             | 1/8 inch          | HB                      |
| Electrical properties                      | tested method | unit              | value                   |
| Dielectric constant                        | D150          | -                 | 2.3                     |
| Surface resistivity                        | D257          | Ohm/cm            | 10 <sup>8</sup>         |
| Dielectric strength                        | D149          | V/mil             | 45                      |

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.