

# Applications: Dust Cover/Ventiduct

| Typical Properties    |             |                   | Dust cover    |         |         |        |        |        |               | Ventiduct     |        |        |        |               |
|-----------------------|-------------|-------------------|---------------|---------|---------|--------|--------|--------|---------------|---------------|--------|--------|--------|---------------|
|                       |             |                   | Standard Type |         |         |        |        |        | Economic Type | Standard Type |        |        |        | Economic Type |
| Items                 | Test Method | Unit              | 11-80AV       | 11-87AV | 11-88AV | 11-90A | 11-40D | 11-50D | 811-45DV      | 11-73AV       | 11-73A | 11-40D | 11-50D | 811-45DV      |
| Density               | ISO1183     | g/cm <sup>3</sup> | 0.965         | 0.965   | 0.94    | 0.94   | 0.935  | 0.935  | 0.95          | 0.95          | 0.96   | 0.935  | 0.935  | 0.95          |
| Shore Hardness        | ISO7619     | ShoreA/D          | 89            | 93      | 95      | 96     | 42*    | 51*    | 48*           | 73            | 75     | 42*    | 51*    | 48*           |
| Tensile Strength      | ISO37       | MPa               | 12.5          | 15.5    | 18      | 18.5   | 20.3   | 25     | 21            | 7             | 7.4    | 20.3   | 25     | 21            |
| Elongation@BK         | ISO37       | %                 | 580           | 590     | 600     | 620    | 610    | 700    | 680           | 430           | 400    | 610    | 700    | 680           |
| CompressSet(70°C,22h) | ISO815      | %                 | 58            | 70      | 75      | 78     | /      | /      | /             | 38            | 39     | /      | /      | /             |
| Tensile Change        | ISO188      | %                 | -9.8          | -8.5    | -8      | -8     | -8.2   | -7.5   | -10.5         | -10.2         | -11.6  | -8.2   | -7.5   | -10.5         |
| Elongation Change     | ISO188      | %                 | -11.6         | -10     | -9.5    | -9.1   | -10.1  | -9.1   | -15.5         | -12.5         | -14.5  | -10.1  | -9.1   | -15.5         |
| Volume change         | /           | %                 | 67            | 53      | 50      | 48     | 45     | 40     | 42            | 90            | 95     | 45     | 40     | 42            |

| Typical Properties    |             |                   | Ignition Wire |         |          |         |
|-----------------------|-------------|-------------------|---------------|---------|----------|---------|
|                       |             |                   | Standard Type |         |          |         |
| Items                 | Test Method | Unit              | 712-80A       | 721-80A | H732-83A | 612-85A |
| Density               | ISO1183     | g/cm <sup>3</sup> | 1.22          | 0.925   | 1.22     | 1.25    |
| Shore Hardness        | ISO7619     | ShoreA            | 83            | 84      | 84       | 85      |
| Tensile Strength      | ISO37       | MPa               | 7.5           | 8.8     | 7.5      | 7       |
| Elongation@BK         | ISO37       | %                 | 400           | 420     | 400      | 500     |
| CompressSet(70°C,22h) | ISO815      | %                 | 42            | 40      | 43       | 48      |
| Tensile Change        | ISO188      | %                 | -12.5         | -10.6   | -12.5    | -13.7   |
| Elongation Change     | ISO188      | %                 | -16.6         | -15.7   | -16.6    | -16.9   |
| Fire Resistance       | UL94        | /                 | V-0           | HB      | V-0      | V-0     |
| Dielectric Strength   | GB/T1408    | KV/mm             | 16.5          | 19      | 17       | 16.8    |

