

|                                               | Stainless steel FCC | Cable marketing FCC | Wrapping labels LOK | Cable label LFL | Flexiprint LF | LA Labels | Cable label TFL | TA Labels | Character holders PTE | Character holders PTEF/CAB | Collars |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------|---------------------|---------------------|---------------------|-----------------|---------------|-----------|-----------------|-----------|-----------------------|----------------------------|---------|--|--|--|--|--|--|--|--|--|
| <b>Temperature Range</b>                      |                     |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| max +500 °C                                   | ✓                   |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| -20 °C – +65 °C                               |                     |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| -20 °C – +45 °C                               |                     |                     |                     |                 |               |           |                 |           | ✓                     |                            |         |  |  |  |  |  |  |  |  |  |
| -75 °C – +80 °C                               |                     |                     |                     |                 |               |           |                 |           |                       | ✓                          |         |  |  |  |  |  |  |  |  |  |
| -40 °C – +80 °C                               |                     |                     |                     |                 |               |           |                 |           |                       |                            | ✓       |  |  |  |  |  |  |  |  |  |
| -40 °C – +125 °C                              |                     |                     | ✓                   | ✓               | ✓             | ✓         | ✓               |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| -40 °C – +150 °C                              |                     |                     |                     |                 |               |           |                 | ✓         |                       |                            |         |  |  |  |  |  |  |  |  |  |
| -30 °C – +70 °C                               |                     | ✓                   |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| <b>Resistance test</b>                        |                     |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| UV-light                                      | ●                   | ●                   | ●                   | ●               | ●             | ●         | ●               | ●         | ●                     | ●                          | ●       |  |  |  |  |  |  |  |  |  |
| Ageing                                        | ●                   | ●                   | ●                   | ●               | ●             | ●         | ●               | ●         | ●                     | ●                          | ●       |  |  |  |  |  |  |  |  |  |
| Abrasion of the marketing text                | ▲                   | ▲                   | ●                   | ●               | ●             | ●         | ●               | ●         | ●                     | ▲                          | ▲       |  |  |  |  |  |  |  |  |  |
| <b>Chemical resistance test</b>               |                     |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| Diesel                                        | ●                   | ●                   | □                   | □               | ◆             | ◆         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| Acid (H <sub>2</sub> SO <sub>4</sub> ), 25%   | ●                   | ●                   | □                   | □               | ◆             | □         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| Alkali (Detergent solution, 10%)              | ●                   | ●                   | □                   | □               | □             | □         | ◆               | ◆         | □                     | ●                          | ●       |  |  |  |  |  |  |  |  |  |
| Distilled water                               | ●                   | ●                   | □                   | □               | □             | □         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| Salt water (5% NaCl)                          | ●                   | ●                   | □                   | □               | □             | □         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| Transformer oil (Nytro 10X)                   | ●                   | ●                   | □                   | □               | □             | □         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| Ethanol                                       | ●                   | ●                   | □                   | □               | ◆             | □         | □               | □         | ●                     | ●                          |         |  |  |  |  |  |  |  |  |  |
| <b>Chemical resistance test with abrasion</b> |                     |                     |                     |                 |               |           |                 |           |                       |                            |         |  |  |  |  |  |  |  |  |  |
| Diesel                                        | ▲                   | ▲                   | ●                   | ●               | ◆             | ◆         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Acid (H <sub>2</sub> SO <sub>4</sub> ), 25%   | ▲                   | ▲                   | ●                   | ●               | ◆             | ●         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Alkali (Detergent solution, 10%)              | ▲                   | ▲                   | ●                   | ●               | ●             | ◆         | ◆               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Distilled water                               | ▲                   | ▲                   | ●                   | ●               | ●             | ●         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Salt water (5% NaCl)                          | ▲                   | ▲                   | ●                   | ●               | ●             | ●         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Transformer oil (Nytro 10X)                   | ▲                   | ▲                   | ●                   | ●               | ●             | ●         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |
| Ethanol                                       | ▲                   | ▲                   | ●                   | ●               | ◆             | ●         | ●               | ●         | ▲                     | ▲                          |         |  |  |  |  |  |  |  |  |  |

● Tested and recommended.

□ Not tested. A Chemical resistance test with abras

To meet the high requirements of our products and to ensure our quality standard all FLEXIMARK® products are subjected to a series of strict tests. These are made by the independent SP Technical Research Institute of Sweden using the SP 2171 Test Method which is used especially for collars and plastic information carrier which mark electric wires, cables, components and clamps. For receiving an impression, some of the tests are listed below:

| Test                                   | Method and criteria                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ageing resistance                      | Accelerated ageing in heat oven (2000 days at 90 °C (194 °F)) corresponding to use at 20 °C (+68 °F) for 30 years. Check for cracks, breaks or similar damage. (Max 50% reduction in elongation before breakage.) Also check for mountability and dismountability.                                                                                                                                                  |
| UV-resistance                          | Accelerating test corresponding to ISO 4892-2 exposure 1 year outdoors in southern Sweden. Check for brittleness and change in colour and readability.                                                                                                                                                                                                                                                              |
| Abrasion resistance of marking text    | According to SP Method 2172 (rubbing machine). Load 75 g per mm mandrel diameter. 200 + 200 cycles.                                                                                                                                                                                                                                                                                                                 |
| Chemical resistance                    | Mounted sleeves kept for 24 hours at +23 °C & -2 °C (+73.4 °F & 28.4 °F) immersed in the chemical. Drying for 2 hours then check for functionality, colour fastness and print legibility.<br><br><b>Chemicals used:</b><br>Synthetic diesel oil, Sulphuric acid 25%, basic cleaning agent (Berol 226, 10%), Distilled water, Sea water (5% NaCl), Transformer oil (Nytro 10x), Ethanol, other chemicals on request. |
| Chemical resistance with abrasion test | Combination of abrasion-test and chemical resistance-test.                                                                                                                                                                                                                                                                                                                                                          |