

Test SP Method 2171



To ensure that PARTEX MARKING SYSTEMS can withstand all kinds of stresses and strains, they are tested by the Swedish National Testing and Research Institute, where they are subjected to a series of strict tests

These cover everything from how well the products stand up to mould and rust attacks, to how they withstand fire, extreme temperatures, UV radiation and different types of chemical.

Some of the tests conducted are listed below:

Test	Method and criteria
Flammability	According to UL94
Temperature – low	Sleeves held at -30°C (-22°F) for 4 hours. Check for cracks, breakage or similar damage. Also check for mountability and dismountability.
Temperature – high	Sleeves held at +70°C (+158°F) for 1 hours. If material passes test, repeated checks at higher temperatures are made.
Ageing resistance	Accelerated ageing in heat oven corresponding to use at 20°C (+68°F) for 30 years. Check for cracks, breakage or similar damage. (Max 50% reduction in elongation before breakage.) Also check for mountability and dismountability.
UV resistance	Accelerated test corresponding to ISO 4892-2 exposure 1 year outdoors in southern Sweden. Check for brittleness and changes in color and readability.
Abrasion resistance of marking text	According to SP Method 2172 (rubbing machine). Load 75 g per mm mandrel diameter.
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, color fastness and print legibility. Chemicals Used Synthetic diesel oil, Sulphuric acid 25%, cleaning agent (Berol 226, 10%), Distilled water, Sea water (5% NaCl), Transformer oil (Nytro 10x), Ethanol 95#, Other chemicals on request.
Dielectric resistivity	According to IEC 93
Ozone resistance	Test specimens are elongated 33% and exposed to 100+-5 ppm ozone at +65°C & -3°C (+149°F & 26.6°F) for 192 hours.

Contact your Regional Sales Office for additional information.