

T E S T C E R T I F I C A T E

Product: KPS-Petrol Pipe-System™

Manufacturer: KUNGSÖRS PLAST AB
Fabriksgatan 3
736 36 Kungsör, Sweden

Order: Test of the electrostatic properties for KPS Petrol Pipe System

Test method: Measurement of the surface resistance according IEC 60079-0:2004;
Determination of the electrostatic charging according to EN 13463-1:2002,
appendix C;
Evaluation of the charging in accordance with Cenelec Report TR 50404:2003
(SEK Handbok 433) and the BG-rule 132 (edition 2004)

Test report: 276167 from 14. November 2006

Test results: The delivered test components of the KPS Petrol Pipe System™ can be classified as electrostatically safe in explosion endangered zones according to EN 13463-1 and to CENELEC Technical Report TR 50404:2003 (SEK Handbok 433).

The conductive and dissipative pipe system components have a safe earth contact between themselves.

The KPS Petrol Pipe System™ can be regularly used buried and above ground in zones 2 for liquids of the explosion risk group IIA and IIB if the electrical connections of the welding sockets are tightly covered by stops after the welding process.

When taking into consideration the restrictions on areas of nonconductive solid materials in endangered areas containing potentially flammable atmospheres of groups IIA, IIB and IIC it can be used above ground in zone 1. For zone 1, group IIA it is sufficient that charge generation processes at the outside of the pipe which are stronger than manual rubbing do not occur.

The KPS Petrol Pipe System can be used with Ethanol (IIB) and E85 as a liquid of the explosion risk group IIA, if the system has a flame arrester according to requirements of IIB and if there is no influence on the conductive or dissipative behaviour of the inner layer.

Dresden, 14.11.2006



Head of laboratory





Engineer in charge