

Prysmian Cables Ltd G101 123 Compound – Technical Data Sheet

Bitumen compound suitable for use at voltages up to and including 11kV

1	Class	II
2	Solubility in carbon disulphide	99.8%
3	Softening Point (Ring and Ball)	52⁰C – 58⁰C
4	Pouring point	120⁰C – 132⁰C
5	Temperature range for pouring	120⁰C – 130⁰C
6	Flash point	>260⁰C
7	Mineral matter (ash)	<0.2%
8	Penetration	38-48mm
9	Adhesiveness	100%
10	Freedom from acidity	3.5 mg KOH/g (max)
11	Freedom from injurious sulphur	Copper clean
12	Resistance to moisture	Water clear
13	Contraction	6.6%
14	Coefficient of expansion	0.0006/⁰C
15	Depth of pipe	16mm (max)
16	Specific gravity	1.03g/cm³
17	Coal tar derivatives	Nil
18	Dielectric Strength Proof Test (1 min, 60⁰C, 12.5mm spherical electrodes 1.25mm electrode gap)	>25kV
19	Insulation resistance at 15⁰C	>5 x 10¹⁰ megohms
20	Permittivity at 15⁰C	2.27
21	Power factor at 15⁰C	0.02