

Report # K-352072-01-A-R00	<h2>Test Report</h2> Kinectrics Inc., 800 Kipling Avenue, Unit 2 Toronto, Ontario, Canada Tel: 416-207-6000, www.kinectrics.com	
Samples Received: Apr-06-18 Samples Tested: Apr-12-18		

Tested for

BSD Bildungs- und Servicezentrum GmbH
 Lutherstrasse 33
 01900 Grossroehrsdorf
 Germany

Contact information for item tested:

BSD Bildungs- und Servicezentrum GmbH
 Thomas Jordan
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Test item description

Manufacturer: BSD GmbH
 Faceshield, ErgoS Intec plus, Article: 7406401
 Lens: BSD plus, Polycarbonate, Grey
 Nominal Thickness: 1.5 mm (Measured 1.6-1.7 mm)
 Hard hat: BSD ErgoS Intec, Class E

Reference Standard

ASTM F2178-17b
 Standard Test Method for Determining the Arc Rating and Standard Specification for Eye or Face Protective Products

Test Parameters:

Test current: 8 kA	Number of samples analysed: 22
Arc Gap: 30 cm	
Distance to Fabric: 30 cm	Incident Energy Range: 8 to 21 cal/cm ²

Arc Rating, ATPV = 14 Cal/cm²
Heat Attenuation Factor, HAF = 91%

No variations to standard method noted.
Samples tested as received.

Test Summary

The Arc Rating of this material is intended for use as part of a flame resistant garment or system for workers exposed to electric arcs. The test result is applicable only to the test item as described; other fiber blends, weaves, finishing or dye may have different protection level. The test articles are tested as received; no test is done to validate the fiber content or composition. The Arc Rating was calculated based on the data obtained and analysed in accordance with the latest version of the applicable standards. The individual test sheets, graphs, photographs of the samples and video of every test are provided in digital format to the Client for review.


The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2005). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability recognized throughout the world.

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Note: The test performed does not apply to electrical contact or electrical shock hazard.


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Note: For verification about results in this report, please forward copy of the report or inquiry to hcl@kinectrics.com