

DIN EN ISO 21178:2007-05 (E)

Light conveyor belts - Determination of electrical resistances (ISO 21178:2005)

Contents		Page
Foreword.....		3
1 Scope		4
2 Normative references		4
3 Symbols		4
4 Electrical surface resistances		5
4.1 Method A: measurement of surface resistance R_{OA} omni-directionally		5
4.2 Method B: measurement of surface resistance R_{OB} in longitudinal and transverse direction		8
5 Electrical surface resistivity ρ_S		10
5.1 General.....		10
5.2 Principle.....		10
5.3 Apparatus		10
5.4 Preparation and preservation of test pieces prior to testing		12
5.5 Procedure		12
5.6 Expression of results		12
5.7 Test report		13
6 Electrical volume resistances		13
6.1 Volume resistance R_D perpendicular to plane of belt.....		13
6.2 Volume resistance R_{Di} in longitudinal and transverse direction parallel to plane of belt		17
7 Electrical volume resistivity ρ_D		20
7.1 Procedure		20
7.2 Expression of results		20
7.3 Test report		20
Annex A (informative) Comparative values for electrical resistances.....		21