

Data sheet Electroplast® LDPE cable protection boards

Description	Standard	Unit	Value
Density		kg/m ³	ca. 0,940
Flexural Modulus	BS2782	MPa	ca. 410
Flexural Properties	BS2782	MPa	11.5
Tensile Strength	BS2782	MPa	10.8
Charpy – Impact Strength	BS2782	kJ/m ²	ca. 45
Hardness	Shore D	ru	ca. 25
Damp Insertion		%	0,02
Linear expansion coefficient		mm/m/°C	ca. 0,15
Thermal Conductivity		W/m.K	0,361
Fire Class	DIN 4102		B2
Elongation at break	BS2782	%	150 - 440
Tolerance		%	5
Electric Strength	BS2782	Kv/mm	11.8
Volume Resistivity	BS2782	Ohm/cm	1.5 x 10 ¹⁶
Pick Axe Test 1 (1961)	BS2484		ok
Pick Axe Test 2 (Nov. 2000)	DIN54841-5		ok
Pick Axe Test 3 (Germany) Praxisnahe Prüfung der Schutzwirkung von Abdeckungen für Niederspannung/Starkstromskabel Elektrizitätswirtschaft, JG 73 (1974), Heft 8			ok

Standard dimensions

colour	width	length	thickness	shape	text
	mm	mm	mm		
Black/red	250	1000	12	smooth	t.b.n.
Black/green	250	1000	12	smooth	t.b.n.
Black/red	300	1220	10	smooth	t.b.n.
Black/red	400	1220	10	smooth	t.b.n.

Other dimensions on request, max. 1.000 mm width

Test institutions:

S.G.S. United Kingdom Yarsley Technical Services
Industrial Research Laboratories, City of Birmingham