

SAFETY RUBBER BOT

81301 (Tigar brand)

DIRECTIVE 2002/61/CE

ISO 20345:2004

Personal protective equipment,
safety footwear

DIRECTIVE 89/686/EEC

XPS 73012

Slip resistance:
industrial ground



TECHNICAL DATA:

Style description:

black rubber upper and black rubbersole

Classification:

II, Design D

Category:h

SB, P

Construction:

vulcanized, hand built

Size range:

39 to 48

Last:

SL 2

Mould:

Tigar SL 2

Toecap:

ISCO BP, TZ

Steel midsole:

ISCO1631

Requirements	Reference	Symbol
Design	Height of upper Design D: No. 43 - min. 290 mm Design C: No. 43 - min. 185 mm	
Impact resistance	Internal length – min. 40mm for N° 43 Impact energy – 200J Min. clearance – 14.5 mm for N°43 No cracks	SB
Compression resistance	Compression load – 15000N Min. clearance – 14.5 mm for N° 43	
Penetration resistance	Test nail: diameter (4.50±0.05) mm, hardness-60HRC Speed nail (10 ± 3)mm/min Force required to penetrate > 1100N	P
Flexing resistance	Upper – no cracking before 125,000 flex cycles Outsole – cut growth ≤ 4.0 mm before 30,000 flex cycles	
Abrasion resistance	Volume loss ≤ 250mm ³	
Slip resistance	Coefficient of friction: Product code 81301 · 0.17, industrial ground Coefficient of friction: Product codes 81187 and 81191 · Heel > 0.28 · Flat > 0.32, ceramic tile floor with sodium lauryl sulphate	SRC
Resistance to fuel oil	Volume increase ≤ 12% Volume shrinks > 0,5% Changes in hardness > 10Sh-A Cut growth ≤ 6mm before 150,000 flex cycles	
Leakproofness	Pressure (10 ± 1) kPa Time 30 s No leakage of air	
Specific ergonomic features	- Walk normally for 5 minutes at a speed of approx. 6km/h - Climb and descend (17±3) stairs for 1 minute - Kneel / crouch down After completion of tests all results relating to footwear comfort and functionality are positive.	