

FORESTRY BOOT

81226 (Tigar brand)

ISO 17249:2004

Safety footwear resistant to chainsaw cuts

ISO 20345:2004

Personal protective equipment, safety footwear

DIRECTIVE 2002/61/CE

DIRECTIVE 89/686/EEC

EN 13287:2004

Slip resistance



TECHNICAL DATA:

Style description:

black/orange rubber upper and black rubber sole

Classification:

II , Design D , Class 3

Category:

SB, P

Construction:

vulcanized, hand built

Sizerange:

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 E: Design D equipped with thin impermeable material	
Resistance to chain saw cutting	Class 3 chain speed 28m/s, time 1s, no cut trough Protective area: Min. height 195mm, Min. width 140mm	CR
Impact resistance	Internal length – min. 40mm for N°43 Impact energy – 200J Min. clearance – 14.5mm for N°43 No cracks	SB
Compression resistance	Compression load – 15000N Min. clearance – 14.5mm 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
Resistance to fuel oil	Volume increase < 12% Volume shrinks > 0.5% Changes in hardness > 10Sh-A Cut growth < 6mm before 150,000 flex cycles	
Abrasion resistance	Volume loss < 250mm ³	
Slip resistance	Coefficient of friction – Code 81226 - Heel > 0.28 - Flat > 0.32 ceramic tile floor with sodium lauryl sulphate Coefficient of friction (Codes 81186, 81322) 0.25 - Industrial ground	SRA
Flexing resistance	Upper – No cracking before 125,000 flex cycles Outsole – cut growth < 4.0mm before 30,000 flex cycles	
Leakproofness	Pressure (10 ± 1) kPa, time 30s, 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.	