

FIRESTAR-H F2I

RUBBER FIRE FIGHTING BOOTS



Reference: ZZ H-F2I-42
Size: EU38-UK5-US6 / EU48-UK13-US14
Firefighting rubber boots

ZEMAN / TECHNOGROUP s.r.o.
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Data Sheet:

Height	34 Cm
Weight	2.4 Kg
Material	Rubber
Lining	Textiles
Outsole	Rubber
Type	(D) High+
Properties	Steel Chapel + Steel Insole
Footwear Certification	EN 20345 - Specifies Safety Footwear For Professional Use, Which Is Marked With The Letter "S". The Basic Parameter Of Safety Footwear Is The Built-In Impact-Resistant Tip 200J.
EN 15090	Specifies Safety Shoes For Fire Extinguishing Applications That Are Marked With The Letter "F"
EN 50321 Class 0	Dielectric Footwear For Low Voltage Installation Up To 1000 V, Maximum Rated Ac Voltage 1000 V, Max. Rated DC Voltage 1500 V
A	Antistatic Shoes
CI	Cold Resistance
FO	Resistance Of Footwear To Fuels And Oils
HI	Thermal Resistance Of The Lower Part Of The Shoe
HV	Highly Visible Elements
HIPPO	Resistance Of The Sole To Contact Heat Up To 300 ° C
I	Electrical Insulation Shoes

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Description:

1. **Non-slip resistance** : firefighters use fire extinguishing rubber boots in the slip resistance test, slip angle of at least 15 °
2. **Break resistance** : fire-resistant rubber fire-fighting boots, tested with a static pressure test of 1078 CN and a impact toughness of 23 KG and a drop test height of 300 mm and a descent of at least 15 mm
3. **Puncture resistance** : **Puncture resistance of the extinguishing** rubber shoe is not less than 1100 N.
4. **Cut protection**: Firefighters' rubber bands are cut with a total weight of 800 G without being pierced.
5. **Electrical insulation performance** : fire protection is not less than 5,000 V and the current is less than 3 mA.
6. **Thermal insulation efficiency** : when the rubber boots are heated for 30 minutes during the thermal insulation test, the sole temperature is not higher than 22 ° C
7. **Acid and base resistance** : fire-resistant footwear with protective rubber material at 23 ° C + 2 ° C to 3,7 MOL / L acidic and alkaline, 6,0 MOL / L sodium hydroxide solution for 70 h + 2 h, no significant change in physical and mechanical properties properties
8. **Oil resistance** : Fire resistant shoes with protective rubber material at 23 ° C + 2 ° C for 1 # Standard oil soaked for 24 hours, change in volume inside - 2 - / + 10%
9. **Resistance to heat radiation** penetration : fire-fighting shoes with protective rubber material, surface radiant heat load is 10 kW / m² + 1 kW / m², 1 min after exposure, the surface temperature of the material is not more than 22 °C.

Features:

- Thermal insulation (°C) 13.6 or less
- The puncture power is greater than 1560 N.
- Breaking efficiency (mm)> 15 against cutting
- Efficiency (degree) of combustion deceleration fv-1
- Rubber resistance to stress inside shoes> 5000V
- Oil resistance (%) -2~+10 tensile strength MPa is greater than 14.7 or greater than 10.78
- % Stretch is greater than or greater than 480
- Permanent deformation deformation % less than 40
- Aeration cm³ / 1.6 km = 0.8
- Shape class A 55~65 55~70
- Fragile temperature 40 ° C - or less - 40 ° C
- Hot aging (100 meters in 24 hours)
- Tensile strength is reduced by% 35 or less than 35
- Flame retardant performance (GB / T13488) fv-1 fv-1 class
- Adhesion of the upper and textile linings to the adhesion force N / mm 0.78

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Packing:

- packaging carton size: 52*47*32cm
- 5 pairs/carton
- G.W is 14.5 kg/carton
- N.W is 14 kg/carton

In Prague, 21.10.2022

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