

# PASCHIM GUJARAT VIJ COMPANY LIMITED

## Specification for Polyvinyl Chloride (PVC) Industrial Boot(Gum Boot)

245

Sr. No.	Particular	Specification	
	Certification	IS:15298:Part 1 & 2 design D OR IS:12254	
1	Design	Knee-height design D as per IS:15298 .	
2	Height	Minimum 255mm (height of upper without sole height) and corresponding minimum heights for various sizes as per IS 15298 (Part-2):2011/ISO 20345-2004.	
3	Material Process	Manufactured by PVC Direct Injection Process.	
4	Upper	Material	Finest virgin soft PVC as per IS 15298
		Relative Density	Not more than 1.25
		Colour	Black
		Thickness	1 mm min
		Thickness	Not less than 3 mm at any point
		Tensile Strenght	1.3-4.6 N/mm <sup>2</sup> (min)
		Elongation	250% min
		Flexing Resistance	Min 1,50,000 Flex/cycle as per IS:12254:1993(5.9)
		Hardness	42 to 59 Shore A
5	Sole	Material	Finest virgin soft PVC as per IS 15298
		Colour	Grey
		Manufacturing process	Direct Injection process
		Relative Density	Not more than 1.25
		Heat Resistance	No damage/crack at 100°C within 1 Minute of hot contact as per testing method in IS:15298(Part-1), ISO 8782-1:1998 clause no.-5.18
		Shore Hardness	50 to 67 Shore A
		Tear Strength	8 KN/m (min)
		Abrasion Resistance	250 mm <sup>3</sup>
		Other properties	deep thread pattern
			Anti Skid, oil, acid & alkali resistance
	Tensile Strength	2.1-5.0 N/mm <sup>2</sup> (min)	

Signature of Tenderer:		
Date:	Place:	
		Company's Round Seal:

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6	Toe cap	Steel Toe cap not required/other technical parameters must be matched IS 15298 (Part 1 & 2) 2011 design "D"	
7	Vamp & quarter Lining	Material	Hosiery yarn material for extra sweat absorption properties
8	Sizes	Size range	Available in sizes 5 to 11 (39-45)
9	Marking & Packing	Shoes size, month and year of manufacturing marked on the sole Batch number marked on the outer box Wrapped in 45 micron clear poly bag. 10 pairs packed in one master carton (9 ply) ISI marked on each Gumboot. Each item having PGVCL logo	
10	Electrical Resistance	Max, 18 KV for 1 Minute Testing laboratory ERDA/FDDI/ NABL	
11	Approvals	IS 15298 (part 1 &2): 2011,	
12	Warranty	One year	

➤ The bidder has to submit following along with bid.

- (1) Test Certificate for all tests as per the certification of relevant IS to be required from FDDI , Noida/NABL approved lab.
- (2) Test certificate of 18 KV withstand test from NABL lab.
- (3) Valid BIS license & ISI marking is must with BIS License No.

➤ Tests as per relevant IS are to be carried out at FDDI,Noida / NABL approved lab on tender sample.

**However, PGVCL reserves right to carry out any other test/s as per relevant IS/Specification on tender sample.**

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Date:	Place:	
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