

Appendix- 1

CV Norms for Slide Fasteners various Injection Molded Zippers, Prov Specification NO. PROV/IND/TC/4987 and Amendment No.1

ITEM	END USE	MANUFACTURING PLANT & MACHINERY		TEST EQUIPMENTS	
		ESSENTIAL	DESIRABLE	ESSENTIAL	DESIRABLE
Slide Fasteners (Injection Molded)	Coat Combat Digital Print	<ul style="list-style-type: none"> • Hi-speed Needle Loom • Heat Setting Machine/calendering Machine • High Temperature, High Pressure, Dyeing Machine • Washing & Drying Machine 		Chain Cross wise Strength Tester Test Method – JIS-S-3015 Zipper Reciprocating Tester for Durability - JIS-3015, BS-3084 Opening & Closing Force Tester Test Method – JIS-3015, ASTM-D- 2061	<ul style="list-style-type: none"> • Colour fast to perspiration • C.F. to light • Or suitable arrangement with NABL Lab for testing of this parameter • C.F to sea water • C.F. to washing • Col test to organic solvents
		<ul style="list-style-type: none"> • Injection Molding Machine for teeth making • Slider & puller assembly attachment Machine • Pin & Box attaching Machine • Top Stop attaching Machine • Gapping Machine • 'T' cutting machine 		Top Stop Holding Strength Tester Test Method – JIS-3015, ASTM-D- 2062 Slider Lock Strength Tester Test Method – JIS-S-3015	
		<ul style="list-style-type: none"> • Die Casting Machine/pressing machine • Slider, puller & lock-pin assembly Machine • Ultrasonic Film adhesive Machine 		Slider Pull Strength Tester Test Method – ASTM-D- 2061 Element Pull-Off Strength Tester ASTM-D-2061 Slider Puller Twist Strength Tester	

			<p>Test Method ASTM-D- 2061 Element Slippage Strength Tester Test Method ASTM-D- 2061 Bottom Stop Holding Strength Tester Test Method – JIS-S-3015</p> <p>Film adhesion Strength Tester Test Method – JIS-K-6854 Separable Pin Insertion Force Tester Test Method ASTM-D- 2061</p>	
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Note - Physical CV will be done and firm has to demonstrate the manufacturing of the subject item.