



## DATA SHEET

Producer of 2ply & 3ply Tapes  
and Heat Shrinkable Sleeves

021-88510381-6

NO.16, Toupchi St.,  
Northern Sohrevardi Ave.,  
Tehran, Iran

### Inner Wrap (NST500)



### Technical specification

#### PHYSICAL PROPERTIES OF INNER-LAYER TAPE

PROPERTY	UNIT	REQUIREMENT	TEST METHOD
			ASTM
THICKNESS: TOTAL BACKING (min.) ADHESIVE (min.)	mm.	0.550 ± 10% 0.300 0.200	D 1000
TENSILE STRENGTH (min.)	Kg/cm width	5	D 1000
ELONGATION AT BREAK (min.)	%	250	D 1000
ADHESION TO PRIMED STEEL (min.)	Kg/cm width	3.0	D 1000 (METHOD A)
ADHESION TO SELF (AT OVERLAPS) (min.)	Kg/cm width	0.9	D 1000
DIELECTRIC STRENGTH (min.)	Kv/mm	20	D 149
INSULATION RESISTANCE (min.)	Ohm.m <sup>2</sup>	10 <sup>6</sup>	BS EN 12068
WATER VAPOR TRANSMISSION RATE (max.)	g/m <sup>2</sup> / 24 hrs	0.3	E 96 (METHOD B)
WATER ABSORPTION (max.)	%Wt	0.1	D 570
CATHODIC DISBONDING (max.)	mm. DIAMETER	30	G8 (METHOD A)
HEAT AGING IN 30 DAYS AT 60°C: REDUCTION OF ELONGATION & TENSILE STRENGTH (max.)	%	As per table 2 of BS EN 12068	BS EN 12068
TEMPERATURE RANGE: APPLICATION OPERATION	°C	+5 to 45 -10 to 50	

**According to STD: IPS-M-TP -310**



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