

## Specification of INTAF Polyglass® Tape (Fiberglass Banding Tape)



Dimension and Tolerance	Unit	F155	200	H200	H220	H220K
Thickness *	mm	0.33 ± 0.05	0.33 ± 0.05	0.33 ± 0.05	0.33 ± 0.05	0.33 ± 0.04
Standard Width	mm	20, 25, 30, 40, 50				
Width on request	mm	5, 8, 10, 12.5, 15, 60, 100				
Standard length**	mtr	100, 200				
* Thickness: 0.20mm / 0.40mm thickness can be manufactured on request.						
** Length: Other lengths can be manufactured. Put-up on large rolls/spools can be manufactured on request.						

[Click here to view photos of tape with various width and their applications](#)



Characteristics as supplied	Unit	F155	200	H200	H220	H220K
Mass per 100 mtr of 10mm wide tape	kg	0.560 ± 10%	0.560 ± 10%	0.560 ± 10%	0.560 ± 10%	0.560 ± 10%
Volatile content	%	1.0 ± 0.5	1.0 ± 0.5	1.0 ± 0.5	1.0 ± 0.5	1.0 ± 0.5
Resin content*	%	27 ± 2	27 ± 2	27 ± 2	27 ± 2	27 ± 2
Number of yarns/cm	Nos.	30 ± 1	30 ± 1	30 ± 1	30 ± 1	30 ± 1
Tensile strength (minimum)	N/mm	200	200	250	250	350
Pull in banding	N/mm	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
*Tapes with Lower or Higher resin contents are on request						

Characteristics after application & curing	Unit	F155	200	H200	H220	H220K
Moisture Resistant	-	x	x	✓	✓	✓
Thermal Class	C	155 (F)	200	200 (H+)	220	220
Cured Thickness	mm	0.25 ± 0.02	0.25 ± 0.02	0.25 ± 0.02	0.25 ± 0.02	0.31 ± 0.02
Breaking load						
- at room temperature (minimum)	N/mm	250	265	265	265	400
- at 150°C after heat ageing (minimum)	N/mm	175	185	185	185	250
Elongation at break						
- at 20°C (maximum)	%	1.6	1.6	1.6	1.6	0.6
- at 200°C (maximum)	%	2.0	2.0	2.0	2.0	0.5
Modulus of Elasticity						
- at 20°C	N/mm <sup>2</sup>	62000	62000	62000	62000	80000
- at thermal class	N/mm <sup>2</sup>	50500	50500	50500	50500	65000
Cross Breaking Strength / Flexural Strength (also known as Moisture Resistance Test)						
- at room temperature (minimum)	N/mm <sup>2</sup>	900	900	900	900	900
- after keeping in boiling water for 14 days	N/mm <sup>2</sup>	-	-	50% maximum reduction of received value		
Thermal Conductivity	W/ (M°C)	0.53	0.53	0.53	0.53	0.48
Koeffler's softening point of resin (maximum)	°C	235	235	235	235	235
Weight loss (at 200 °C for 400 hrs) (maximum)	%	10	10	10	10	10
Arc Resistance (minimum)	second	120	120	120	120	120
Di-electric Strength (minimum)	kv/mm	15	15	15	15	15

Curing Schedule	
Temperature	Time*
160 °C	3.5 Hours
150 °C	5 Hours
135 °C	10 Hours
120 °C	24 Hours
115 °C	48 Hours
*The time to bring the job to temperature is not included in the above table	

Shelf life as supplied*	Unit	F155	200	H200	H220	H220K
- at 15°C	Months	12	12	12	12	12
- at 20°C	Months	8	8	8	8	8
- at 30°C	Months	4	4	4	4	4
- at 35°C	Months	2	2	2	2	2
*To avoid failure, take out the tape from cold storage 24 hours in advance before use without removing it from its original packing.						

All informations, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application.

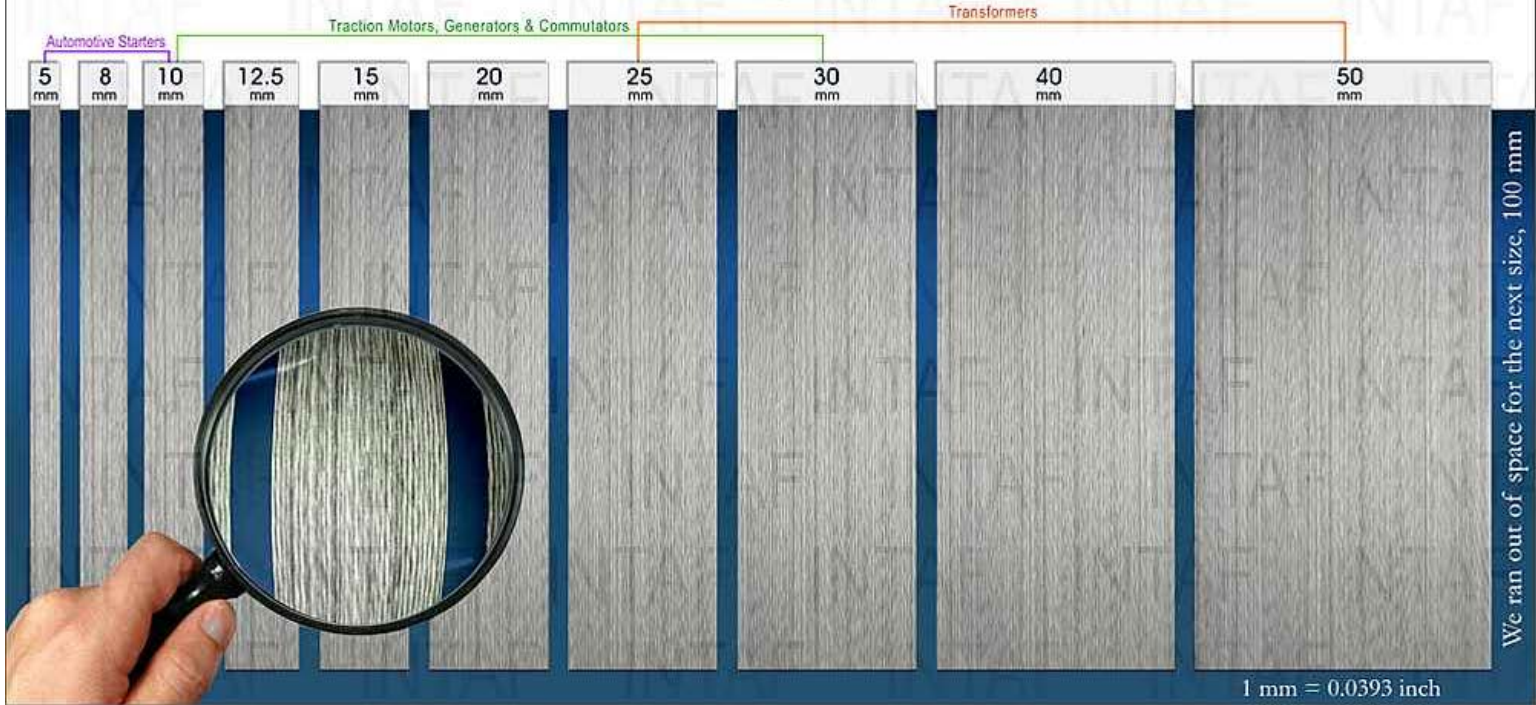


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### Various width of INTAF Polyglass Tape & their applications



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