

# 111 A SUPER POWER



Hipac LLDPE cast stretch film, suitable for applications with high performance automatic wrapping machines and where high production output is required. Particularly suggested for paper (tissue) and beverage industries (mineral water and drinks). 111 allows thickness downgauging maintaining high film performances, leading to packaging cost saving along with environmental respect. **To be used on wrapping machines WITH prestretch group.**

Characteristic	Method	Unit	Direction	10 µm	12 µm	13 µm	15 µm	17 µm	20 µm	23 µm	30 µm	35 µm	Tolerances
Impact resistance	ASTM D1709 A	g	-	113	152	165	175	140	140	150	210	220	10%
Tensile strength at break	ASTM D882 B	MPa	Machine Direction	27	29	30	32	32	33	35	36	38	10%
			Transversal Direction	16	27	28	28	28	32	32	32,5	33	10%
Tensile strength at yield	ASTM D882 B	MPa	Machine Direction	8	8,5	8,5	8,5	8,5	8,5	8,5	9	10	10%
			Transversal Direction	6	7,5	7,5	7,5	7,5	7,5	7,5	8	8,5	10%
Elongation at break	ASTM D882 B	%	Machine Direction	408	474	520	555	580	601	632	670	690	10%
			Transversal Direction	552	636	650	694	710	723	725	760	800	10%
Tear Resistance	ASTM D1922	mN	Machine Direction	1363	2192	2375	2630	2850	3100	3550	4200	4750	10%
			Transversal Direction	3520	3498	3800	4150	4446	4600	5446	5590	5690	10%
Prestretch*	Hipac	%	-	200	250	260	280	300	330	360	380	390	5%
Cling	Hipac	g	-	125	125	125	125	125	125	125	125	120	10%

\* Intended as the sum of prestretch and post-stretch (lay on tension).  
In case of additives these values should be reduced by 5%.  
In case of printed film these values should be reduced by 5%.

Coloured	Slippery	AUV 6/12 months	Antistatic	Net Roll	Cling Out/In/Both	Low Temperature	Printed	Double Edges
								

HIPAC STRETCH FILM HAS BEEN  
DESIGNED TO BE 100% RECYCLABLE



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