

111 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	15 µm	17 µm	20 µm	23 µm	Tolerances
Impact resistance	ASTM D1709 A	g	-	113	152	175	140	140	150	±10%
Tensile strength at break	ASTM D882 B	MPa	Machine Direction	27	29	32	32	33	35	±10%
			Transversal Direction	16	27	28	28	32	32	±10%
Tensile strength at yield	ASTM D882 B	MPa	Machine Direction	8	8,5	8,5	8,5	8,5	8,5	±10%
			Transversal Direction	6	7,5	7,5	7,5	7,5	7,5	±10%
Elongation at break	ASTM D882 B	%	Machine Direction	408	474	555	580	601	632	±10%
			Transversal Direction	552	636	694	710	723	725	±10%
Tear Resistance	ASTM D1922	mN	Machine Direction	1363	2192	2630	2850	3100	3550	±10%
			Transversal Direction	3520	3498	4150	4446	4600	5446	±10%
Prestretch*	Hipac	%	-	200	250	280	300	330	360	- 5%
Cling	Hipac	g	-	125	125	125	125	125	125	±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	Printed
						

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