



## STANDARD POLYOLEFIN (POF) SHRINK FILM

Alpha's POF shrink film is a high clarity, biaxially oriented heat shrinkable film with stable, balanced shrinkage and soft corner "weld".

PROPERTY		UNITS	TEST METHOD	RESULT			
Thickness		Micron	-	12	15	19	25
FILM SPECIFICATIONS							
Length		Meter	-	1665	1332	1067	800
Yield		m²/kg	-	89	71	56	42
TENSILE							
Tensile Strength (MD)		MPa	D882	101	109	104	102
Tensile Strength (TD)				111	110	102	91
Elongation (MD)		%		94	120	98	105
Elongation (TD)				99	119	97	108
TEAR STRENGTH							
MD		gf	D1922	163	192	211	672
TD				192	211	307	587
DART IMPACT							
Impact Resistance		g	D1709	246	249	309	398
SEAL STRENGTH							
MD / Hot Wire Seal		N/mm	F88	0.65	0.85	1.05	1.30
TD / Hot Wire Seal				0.70	0.90	1.10	1.35
COF (FILM TO FILM)							
Dynamic		-	D1894	0.240	0.195	0.205	0.220
Static		-		0.255	0.260	0.225	0.240
OPTICS							
Haze		%	D1003	2.2	2.8	3.2	3.9
Clarity			D1746	98.5	98.5	98	97.5
BARRIER PROPERTIES							
Oxygen Transmission Rate		cc/m²/day	D3985	11300	10800	7200	5400
Water Vapor Transmission Rate		gm/m²/day	F1249	45.6	38.6	26.6	22.6
SHRINKAGE PROPERTIES							
Free Shrinkage	100°C	%	D2732	21	31	22	30
	110°C			40	41	36	42
	120°C			63	62	61	61
	130°C			68	68	66	66

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