

**(Multi Layer) POLYOLEFIN (POF) SHRINK FILM TECHNICAL DATA SHEET**

CERTIFICATES		CE / ISO 9001:2015 / ISO 22000:2018 / ISO 45001:2018				
		ISO 14001:2015 / GRS / RCS / TR-27-K-025918				
	UNIT	ASTM TEST	TYPICAL VALUES			
Thickness		μ	11	12.5	15	19
Tensile Strength	MD	D882	102	105	103	103
	TD		103	105	103	102
Elongation	MD		92	102	113	124
	TD		92	102	113	124
Heat shrinkage 60°C,air,5 min	MD	MIE002(%)	4			
	TD		7			
Heat shrinkage 90°C,air,5 min	MD	MIE002(%)	17			
	TD		25			
Heat shrinkage 120°C,air,5 min	MD	MIE002(%)	55			
	TD		59			
yield	m <sup>2</sup> /kg		99.6	87.5	72.9	57.6
Haze		ASTM D1003	2.50	2.70	2.90	3.10
Clarity		ASTM D1746	98.5	98.0	97.0	96.0
Gloss	20 °C	ASTM D2457	135	135	124	123
Unit Weight	g/m <sup>2</sup>		10.1	11.5	13.8	17.6
Coefficient of Friction		ASTM 1894	0.3			
Free Shrinkage	110°C	%	D2732	22	31	20
	110°C			38	45	34
	120°C			58	63	57
	130°C			65	67	64
SHRINK TENSION			MD	TD	MD	
Shrink Tension	100°C	Mpa	D2838	22	31	20
	110°C			38	45	34
	120°C			58	63	57
	130°C			65	67	64

