

POF TECHNICAL FEATURES -2

Property	Units	Test Method	Typical Values								
Nominal Thickness	µm	ASTM D-374	12		15		19		25		
Yield	M2/kg		84.5		73.2		57.8		43.9		
Coefficient of friction(Film on Film)		ASTM D1894	0.23		0.23		0.23		0.23		
			0.17		0.15		0.15		0.15		
Haze	%	ASTM D1003-A	3		3		3.4		3.4		
Gloss at 20°		ASTM D2457	114		114		114		114		
Free Shrink:	%	ASTM D2732 LD/TD	LD	TD	LD	TD	LD	TD	LD	TD	
			At 93°C	38		35		36		20	28
			At 104 °C	57		50		53		42	50
			At 115 °C	63		61		62		56	61
			At 115 °C	67	10	68	70	65	71	66	70
Shrink Tension	Kg/cm2	NFT54-125 LD/TD	LD	TD	LD	TD	LD	TD	LD	TD	
			26	27	24	28	24	31	25	28	
Stiffness Modulus	Mpa	ASTM D882 LD/TD	LD	TD	LD	TD	LD	TD	LD	TD	
			550	600	500	600	550	600	550	600	
Elongation at break	%	ASTM D882 LD/TD	LD	TD	LD	TD	LD	TD	LD	TD	
			101	109	106	105	118	102	132	105	
Tensile Strength	Kg/cm2	ASTM D882 LD/TD	LD	TD	LD	TD	LD	TD	LD	TD	
			1200	1200	1100	1100	1000	1000	1000	1000	
Seal Strength	g/25m m	Internal method	1850		2360		2550		3000		
Tear propagation	g	ASTM D1922	8.3		14		20		22		
Impact Strength	g	Internal method	7000		7100		8500		9000		
Elongation	%		30		31		33		35		
Energy	mJ		800		820		900		950		
Water Vapor Transmission Rate(38°C 100%RH)	g/m2, 24h	ASTM E96	35		28		24		20		
Oxygen Transmission Rate(23°C 0%RH)	cm3/m 2, 24h	ASRM D1434	12200		9800		8400		6500		
Carbon dioxide Transmission Rate(23°C 0%RH)	cm3/m 2, 24h	Internal method	48000		38500		33000		26000		