

## Standard Dimensions

	GM (Clear Type)
Thickness	14 ~ 50 $\mu$
Width	500 ~ 1040mm
Roll Length	2000 ~ 6000m
Surface Type	Anti-static support , Anti-fogging support , Corona treated and Non treated

## General Physical Properties

			Test Method	GM (Clear Type)					
			Thickness	14 $\mu$	20 $\mu$	25 $\mu$	30 $\mu$	40 $\mu$	50 $\mu$
Tensile Strength (Mpa)	MD	ASTM D-882	76	67	68	68	69	69	
	TD		66	56	76	66	66	70	
"Elongation (%)	MD		51	59	66	53	5	6	
	TD		95	42	84	18	5	5	
"Modulus of Elasticity (Gpa)	MD		2.8	2.6	2.7	2.6	2.2	2.1	
	TD		2.6	2.6	2.6	2.5	2.1	2.1	
Prepagation Tear Resistance (mN)	MD		JIS JIS-P-8116	*43	52 (*)	41	56	71	119
	TD			22	31	32	51	68	83
* Loop Stiffness (g)	MD		Asahi Kasei's	0	1	2	3	6	12
	TD			0	1	2	3	6	12
Dart Impact Strength (J)	out side	ASTM D-1709	0.2	0.2	0.2	0.3	0.3	0.4	
HAZE (%)			2	2	2	4	2	3	
Light Transmission (%)			90	89	89	89	89	89	
GLOSS (%)	out side	ASTM D-2457	185	178	180	169	186	175	
	in side		185	177	178	170	185	175	
Heat Shrinkage Rate (%)	80	Asahi Kasei's	0	0	0	0	0	0	
			0	0	0	0	0	0	
	90		0	0	1	1	0	0	
			0	0	0	0	0	0	
	100		2	1	2	1	1	1	
			0	0	0	0	0	0	
	110		9	10	16	12	10	5	
			2	3	9	5	4	3	
	120		48	48	47	44	45	39	
			39	38	38	36	36	39	
	130	61	59	59	57	57	52		
		54	52	53	53	51	50		
	Orientation Release Stress (Mpa)	120	ASTM D-2838	2	2	1	1	1	1
				1.0	0.7	0.9	0.8	0.6	0.7