



Property	Method	Units	Polyart								
Basis Weight	ASTM D646-92	g/m ²	75	90	110	140	170	200	240	285	
		lbs 500x25"x38"	51	61	75	95	115	135	162	193	
Thickness	ASTM D645-92	mil	3.8	4.5	5.5	7.0	8.5	10	12	13.5	
		microns	95	110	140	175	215	250	300	350	
Brightness	ASTM D985	%	90	90	90	90	90	90	90	90	
Opacity	ASTM D589	%	92	94	95	97	98	98	98	98	
Tensile Strength	ISO 527-3	N/mm ²	MD	45	45	43	40	38	34	34	32
			TD	35	35	35	32	30	28	28	25
	ASTM D638	lbs/in ²	MD	6520	6200	6230	5790	5500	4920	4930	4200
			TD	5070	5200	5070	4630	4340	4050	3770	3200
Initial Tear Strength	ASTM D1004-66	N/mm	MD	84	82	80	82	84	83	85	75
			TD	109	106	105	107	108	100	110	95
		lbs	MD	2.05	2.29	2.51	3.28	4.08	4.29	5.64	5.79
			TD	2.17	2.92	3.30	4.28	5.24	5.72	6.84	7.33
		lbs/in	MD	540	510	457	457	480	429	470	429
			TD	570	650	600	612	617	572	570	543
Rigidity (Kodak)	ISO 5629	mN.m	0.15	0.27	0.43	0.85	1.30	2.10	4.00	5.7	
Stiffness (Gurley)	TAPPI T 543	mg	48	76	124	225	362	540	1060	1400	