

SYN-DURABLE Technical Data Sheet



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SYN-DURABLE is a two sides corona treated synthetic paper perfect for tags, labels, looptags, lumber tags, wine glass labels, steel hangers and many more.

Differing from any other polymer based materials, the synthetic papers are resistant to any moisture (water / grease / chemicals).

Features include excellent printability using all conventional methods, and the material has been designed to significantly reduce die wear and improve run speeds when printing and converting.

SYN-DURABLE		Unit	TG5A75	TG5A100	TG5A120	TG5A140	TG5A190	TG5A240	TG5A280	TG5A320	TG5A350	Method
Properties	Unit	Value										Test Method
Caliper	μ	75	100	120	140	190	240	280	320	350		ISO 4593
Density	g/cm ³	1.12	1.05	1.04	1.04	1.07	1.07	1.09	1.08	1.11		Internal
Weight	g/m ²	84.0	105.0	125.0	146.0	202.7	257.0	304.0	346.0	390.0		ISO 536
Average Yield	m ² /kg	11.9	9.5	8.0	6.8	4.9	3.9	3.3	2.9	2.6		internal
Tensile Strength	MD	MPa	35	39	37	35	33	28	28	27	27	ISO 527-3
	TD	MPa	25	28	27	26	25	24	24	24	24	ISO 527-3
Elongation	MD	%	450	500	500	500	500	500	500	500	500	ISO 527-3
	TD	%	500	550	550	550	500	500	500	500	500	ISO 527-3
Tensile Modulus	MD	MPa	1350	800	1200	1200	1350	1350	1250	1150	1200	ISO 527-3
	TD	MPa	1200	850	1050	1050	1150	1150	1150	1050	1150	ISO 527-3
Surface Tension	dyne/cm	>44										ISO 8296
Whiteness	% (L*)	94										CIELAB

Notice: If the film is transported or stored at temperatures below +15 ° C, it is recommended to season it at a temperature above 20° C for a minimum of 24 hours before it is further processed. If the film is transported or stored at temperatures below +5° C, the seasoning should be extended to a minimum of 48 hours. Observing these conditions will guarantee a correct film processing and preservation of the recommended film properties.