

Product Information

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Teonex® Film Physical Properties Q51

Film Type: Teonex® Q51(Standard type)

Properties	Units		12μ	16μ	25μ	38μ	50μ	75μ	100μ	125μ	188μ	250μ	Test Method
Thickness	[μm]	(CMT)	12.0	15.6	24.9	38.1	50.7	73.9	99.4	133.8	187.2	245.1	
Tensile strength	[MPa]	MD	305	319	314	263	269	262	265	234	246	200	JIS C-2318
		TD	306	334	320	254	284	261	264	257	244	210	
Elongation at break	[%]	MD	82	79	75	113	89	84	98	100	108	111	JIS C-2318
		TD	82	91	88	89	95	93	100	117	109	143	
Heat shrinkage (150°Cx30min)	[%]	MD	0.1	0.2	0.1	0.6	0.0	0.3	0.6	-0.1	0.4	0.5	JIS C-2318
		TD	1.1	0.9	0.8	0.5	0.6	0.4	0.3	0.4	0.3	0.2	
Heat shrinkage (200°Cx10min)	[%]	MD	2.6	2.6	3.2	1.2	1.2	0.8	1.0	-0.2	1.1	0.9	JIS C-2318
		TD	3.8	3.3	3.2	1.3	1.8	1.0	1.0	0.8	0.7	0.4	

*Typical value

These values are typical performance data for Teonex® PEN film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. TOYOBO FILM SOLUTIONS LTD. makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

CAUTION: Do not use in medical applications involving permanent implantation in the human body.

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