



Technical data sheet

CMC TYPE	29725
CMC article	700432
Product description	biaxially oriented PEN film (polyethylene naphthalate), low shrinkage type nominal thickness 0.025 mm Teonex Q5300 by Toyobo UL file QMFZ2.E51743

Excerpt from the technical data sheet of Toyobo:

Property		Values	SI Units	Test
		Q5300 25 micron		Apply mutatis mutandis to
General				
Density		1.36	g/cm ³	JIS C-2151
Mechanical				
Tensile Strength	MD	230	MPa	JIS C-2318
	TD	270	MPa	
Elongation to break	MD	140	%	JIS C-2318
	TD	130	%	
Thermal				
Melting Points		269	degree C	DSC
Glass Transition Temperature (FILM)		155	degree C	DSC
Heat Shrinkage	MD	0.3	%	JIS C-2318
	(150 degree C, 30min) TD	0.2	%	
Heat Shrinkage	MD	0.7	%	JIS C-2318
	(200 degree C, 10min) TD	0.1	%	

MD: Machine Direction

TD: Transverse Direction

These values are typical performance data; they are not intended to be used as design data. Toyobo makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information.

Other properties	RoHS compliant ✓ REACH compliant ✓
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Recommended storage cond.: cool and dry (15 - 25°C, < 65% rel. humidity)

09/26

Quality guarantee: 12 months

Technical data represents average values subject to change without notice. It is not intended to replace users' testing.

Note on REACH: Some of our products do contain substances from the so-called candidate list. Please visit <https://www.cmc.de/en/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.