

dymetrol® - Data Sheet

Properties	Value				Unit	Standard
	C 100	C 125	C 150	C 200		
composition warp direction (MD): Number of spun polyester yarns	400 ± 3%	400 ± 3%	400 ± 3%	400 ± 3%	/ 100 mm	Design development
composition fill direction (CD): Number of elastic yarns	55 ± 8	67 ± 8	83 ± 8	110 ± 8	/ 100 mm	Design development
basis weight	min. 283	min. 305	min. 337	min. 345	g / m ²	DIN EN 29073-1 (ASTM D3776)
tensile strength warp-direction (MD)	min. 1840	min. 1840	min. 1840	min. 1840	N / 50 mm	DIN EN 29073-3 (ASTM D5034)
tensile strength fill-direction (CD)	min. 438	min. 525	min. 700	min. 875	N / 50 mm	DIN EN 29073-3 (ASTM D5034)
tensile elongation warp direction (MD)	min. 16	min. 16	min. 16	min. 16	%	DIN EN 29073-3 (ASTM D5034)
tensile elongation fill direction (CD)	min. 50	min. 50	min. 50	min. 50	%	DIN EN 29073-3 (ASTM D5034)
burning behavior aircraft	< 203	< 203	< 203	< 203	mm / sec	FAR / JAR / CS 25.853
burning behavior automotive	< 100	< 100	< 100	< 100	mm / min	DIN EN 75200 / FMVSS 302
Dymetrol® warp and fill fibers meets the vertical ignition requirements						ABD0031, Issue F, Section 7.1.2
Dymetrol® meets the smoke emission requirements						ABD0031, Issue F, Section 7.3.2
Dymetrol® meets the toxic gas emission limits						ABD0031, Issue F, Section 7.4

