

# Coefficient of Friction (COF) – Static/Dynamic – Tyvek® against 316 Stainless Steel – ASTM D1894



1073B		Transition Protocol Material	Current Tyvek®	
Static Coefficient of Friction		Rough, MD	0.167	0.191
		Rough, CD	0.207	0.203
		Smooth, MD	0.197	0.187
		Smooth, CD	0.203	0.222
Dynamic Coefficient of Friction		Rough, MD	0.099	0.097
		Rough, CD	0.101	0.098
		Smooth, MD	0.106	0.108
		Smooth, CD	0.103	0.105
1059B		Transition Protocol Material	Current Tyvek®	
Static Coefficient of Friction		Rough, MD	0.197	0.134
		Rough, CD	0.191	0.187
		Smooth, MD	0.212	0.180
		Smooth, CD	0.185	0.154
Dynamic Coefficient of Friction		Rough, MD	0.103	0.096
		Rough, CD	0.101	0.093
		Smooth, MD	0.103	0.100
		Smooth, CD	0.104	0.102

MD = Machine Direction  
CD = Cross Direction

# Coefficient of Friction (COF) – Static/Dynamic – Tyvek® against Tyvek® – ASTM D1894



1073B	Transition Protocol Material	Current Tyvek®	
Static Coefficient of Friction	Rough vs. Rough, MD	0.189	0.170
	Rough vs. Rough, CD	0.192	0.184
	Rough vs. Smooth, MD	0.204	0.206
	Rough vs. Smooth, CD	0.230	0.232
	Smooth vs. Smooth, MD	0.212	0.205
	Smooth vs. Smooth, CD	0.244	0.179
Dynamic Coefficient of Friction	Rough vs. Rough, MD	0.161	0.153
	Rough vs. Rough, CD	0.155	0.168
	Rough vs. Smooth, MD	0.171	0.175
	Rough vs. Smooth, CD	0.192	0.213
	Smooth vs. Smooth, MD	0.184	0.165
	Smooth vs. Smooth, CD	0.215	0.157

MD = Machine Direction  
 CD = Cross Direction

# Coefficient of Friction (COF) – Static/Dynamic – Tyvek® against PET side of a 48-gauge LDPE/PET Film – ASTM D1894



1073B		Transition Protocol Material	Current Tyvek®
Static Coefficient of Friction	Rough, MD	0.205	0.179
	Rough, CD	0.225	0.240
	Smooth, MD	0.264	0.184
	Smooth, CD	0.231	0.206
Dynamic Coefficient of Friction	Rough, MD	0.169	0.140
	Rough, CD	0.159	0.135
	Smooth, MD	0.147	0.141
	Smooth, CD	0.155	0.142
1059B		Transition Protocol Material	Current Tyvek®
Static Coefficient of Friction	Rough, MD	0.191	0.200
	Rough, CD	0.203	0.197
	Smooth, MD	0.202	0.201
	Smooth, CD	0.207	0.229
Dynamic Coefficient of Friction	Rough, MD	0.152	0.154
	Rough, CD	0.155	0.157
	Smooth, MD	0.155	0.161
	Smooth, CD	0.152	0.162

MD = Machine Direction  
 CD = Cross Direction