

TDS for slot liners



ADL Homepage



E-Mobility Competence



Electrification Initiative

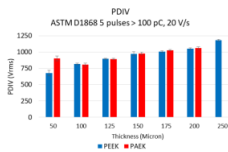
Ajedium™ PEEK Slot Liner Films

Ajedum™ PEEK Slot Liner Films Technical Data Sheet													
Property	Test Method	T300			T300			T300			T300		
		MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	MD	TD
Thickness	mm	0.050	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600
Weight	g/m²	1.35	2.70	4.05	5.40	6.75	8.10	9.45	10.80	12.15	13.50	14.85	16.20
Stress	MPa	100	100	100	100	100	100	100	100	100	100	100	100
Strain	%	10	10	10	10	10	10	10	10	10	10	10	10
Modulus	GPa	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Heat Deflection Temp.	°C	250	250	250	250	250	250	250	250	250	250	250	250
Volume Resistivity	Ω·cm	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²
Surface Resistivity	Ω/sq	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²
Dielectric Constant		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Dielectric Loss		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Thermal Expansion Coef.	1/°C	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Thermal Shrinkage Coef.	1/°C	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5

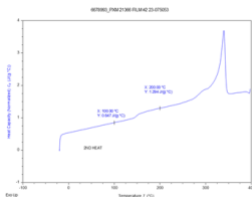
Ajedium™ PAEK Slot Liner Films

Ajedum™ PAEK Slot Liner Films Technical Data Sheet													
Property	Test Method	T300			T300			T300			T300		
		MD	TD	MD	TD	MD	TD	MD	TD	MD	TD	MD	TD
Thickness	mm	0.050	0.100	0.150	0.200	0.250	0.300	0.350	0.400	0.450	0.500	0.550	0.600
Weight	g/m²	1.35	2.70	4.05	5.40	6.75	8.10	9.45	10.80	12.15	13.50	14.85	16.20
Stress	MPa	100	100	100	100	100	100	100	100	100	100	100	100
Strain	%	10	10	10	10	10	10	10	10	10	10	10	10
Modulus	GPa	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Heat Deflection Temp.	°C	250	250	250	250	250	250	250	250	250	250	250	250
Volume Resistivity	Ω·cm	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²
Surface Resistivity	Ω/sq	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²	10¹²
Dielectric Constant		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Dielectric Loss		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Thermal Expansion Coef.	1/°C	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Thermal Shrinkage Coef.	1/°C	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5

Comparison PEEK vs. PAEK



Ajedium™ PEEK Slot Liner Heat Capacity



Ajedum™ PEEK Slot Liner Thermal conductivity

