



PORT PLASTICS

Semiconductor



Tremendous Value + Performance in ESD SEMITRON® ESD 300 PET

When choosing a material in the Static Dissipative ESD range, there exists a wide gap between Static Dissipative POMs or Acetal grades and Ultem PEI grades in terms of both physical properties and thus cost. In comparing the two ESD materials for typical properties:

Thermal Properties (HDT @ 264 psi.) – ESD POM 225°F vs. ESD PEI 410°F

Flexural Modulus – ESD POM 200K psi vs. ESD PEI 650K psi

CTE ($\times 10^{-5}$) – ESD POM 9.3 vs. ESD PEI 1.95

Moisture Absorption (24 hrs.) - ESD POM 2% vs. ESD PEI 0.5%

As you can see quite a gap in performance especially in terms of dimensional stability. MCAM has developed a material that fills that gap perfectly. Its based on PET resin technology and offers the designer of electronics fixtures a cost effective stable alternative. Semitron® ESD 300 PET delivers:

Thermal Properties (HDT @ 264 psi.) – ESD 300 PET - 300°F

Flexural Modulus – ESD 300 PET- 477 psi

CTE ($\times 10^{-5}$) – ESD 300 PET – 5.5

Moisture Absorption (24 hrs.) - ESD 300 PET – 0.03%

SEMITRON ESD 300 PET OFFERS TREMENDOUS VALUE YET DELIVERS EXCELLENT PERFORMANCE, IF YOU ARE INTERESTED IN MORE INFORMATION ON ESD PRODUCT SELECTION CONTACT YOUR LOCAL PORT PLASTICS SPECIALIST. PORTPLASTICS.COM

#SemiconScott